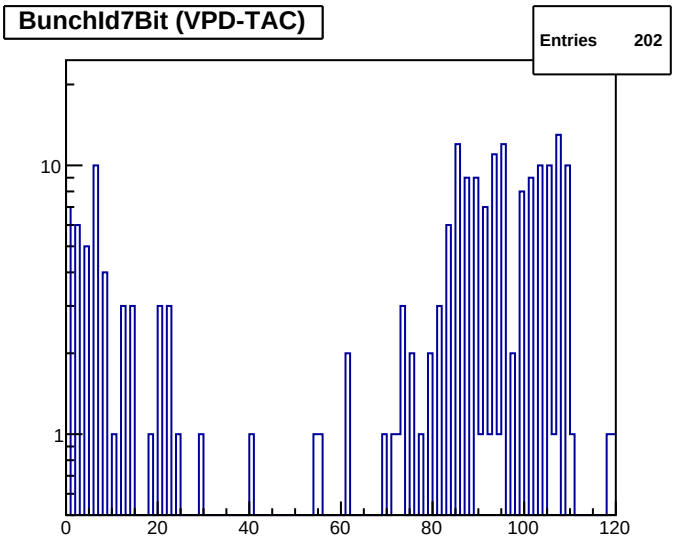
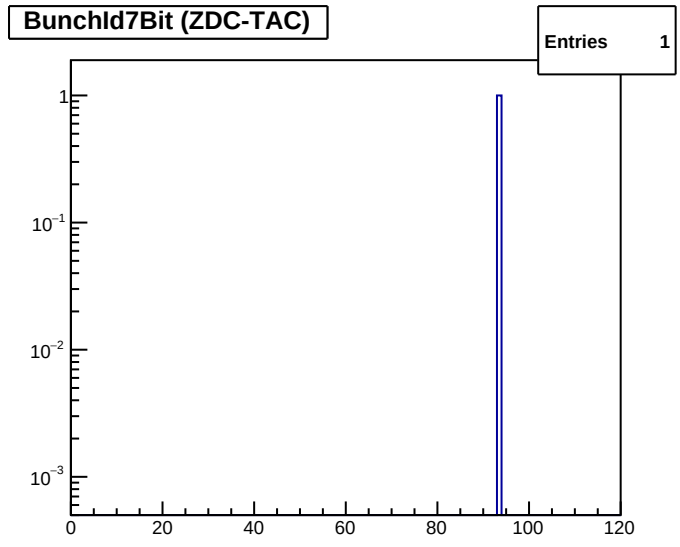
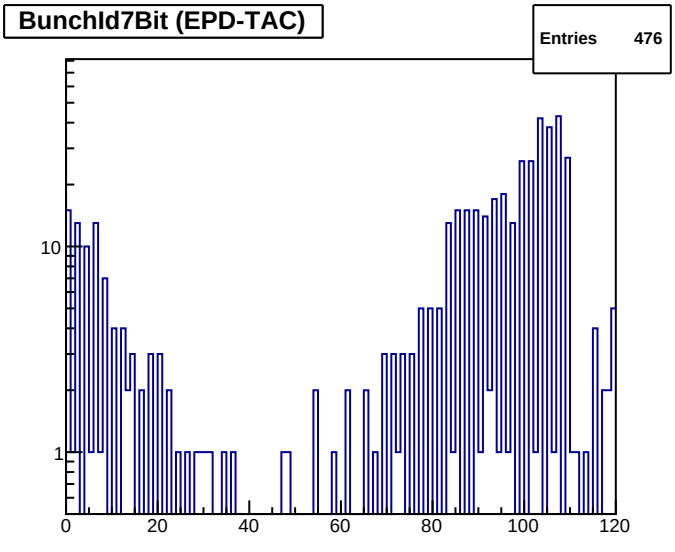
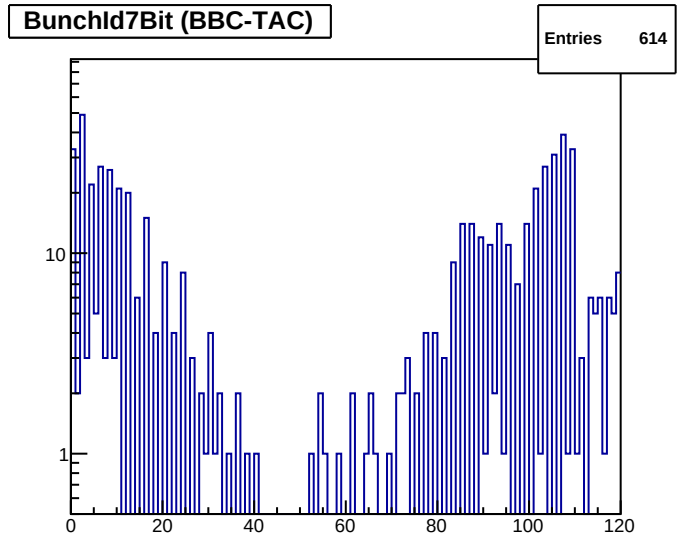
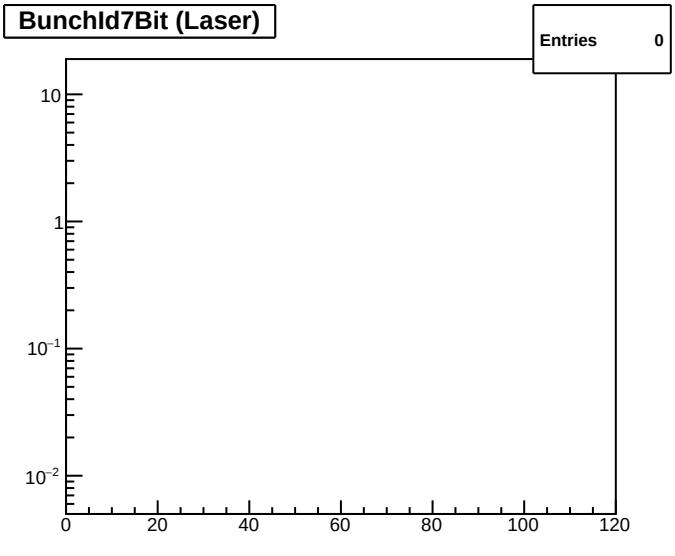
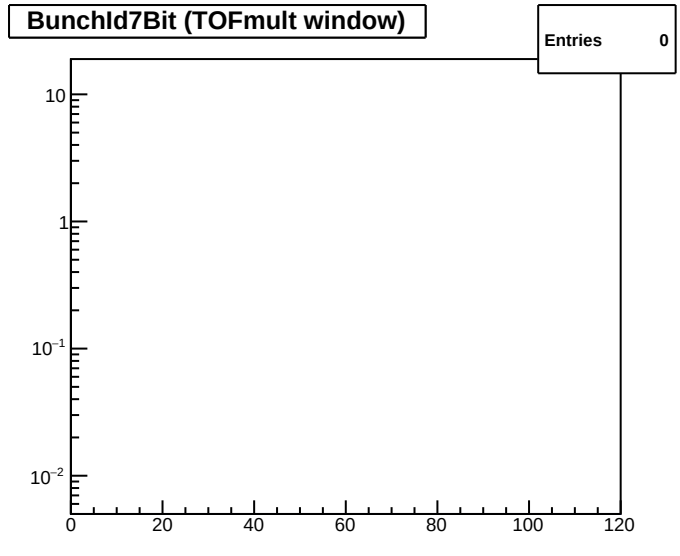

BunchId7Bit (VPD-TAC)
Entries 202

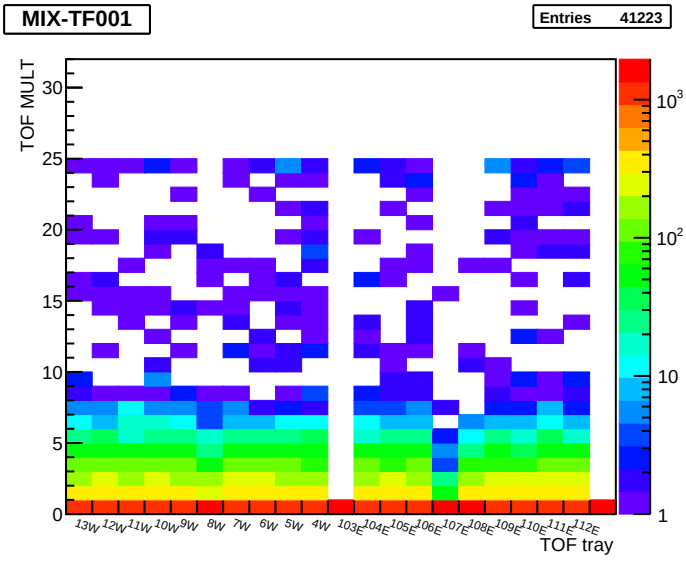

BunchId7Bit (ZDC-TAC)
Entries 1

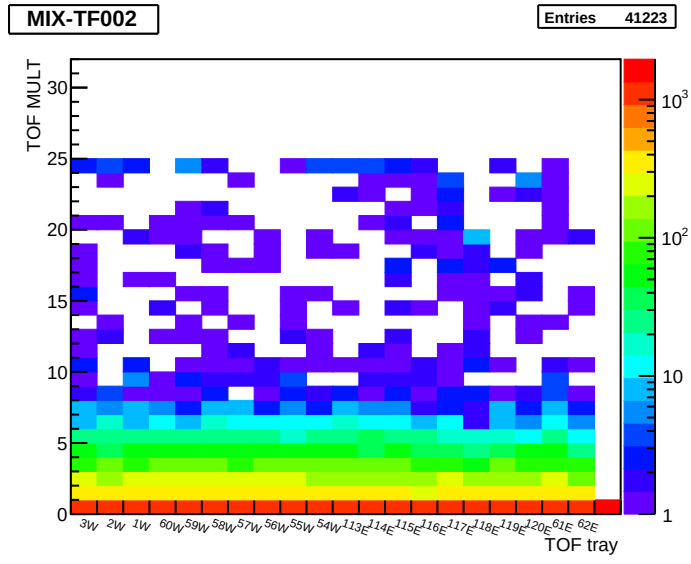

BunchId7Bit (EPD-TAC)
Entries 476

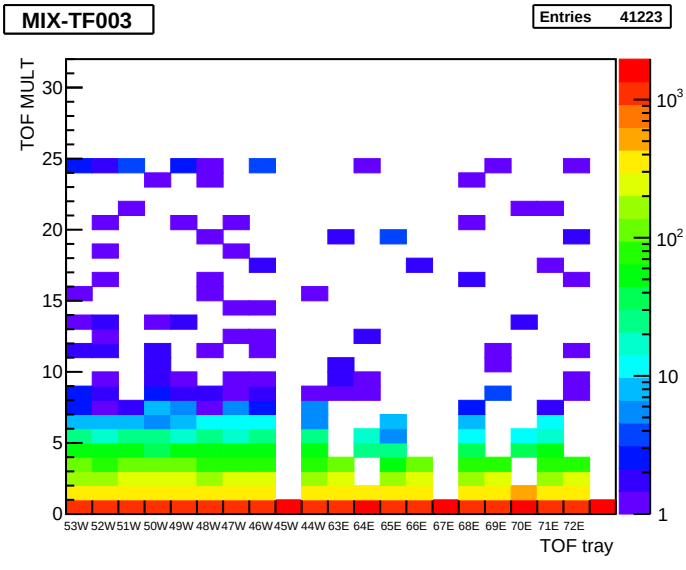

BunchId7Bit (BBC-TAC)
Entries 614

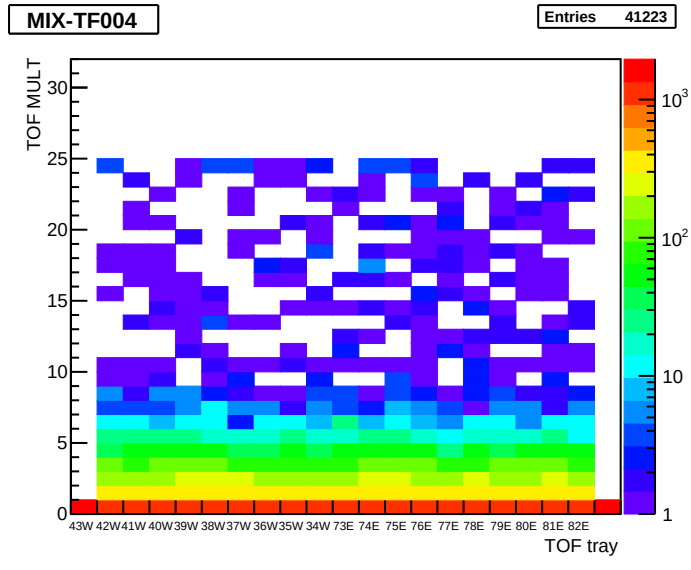

BunchId7Bit (Laser)
Entries 0

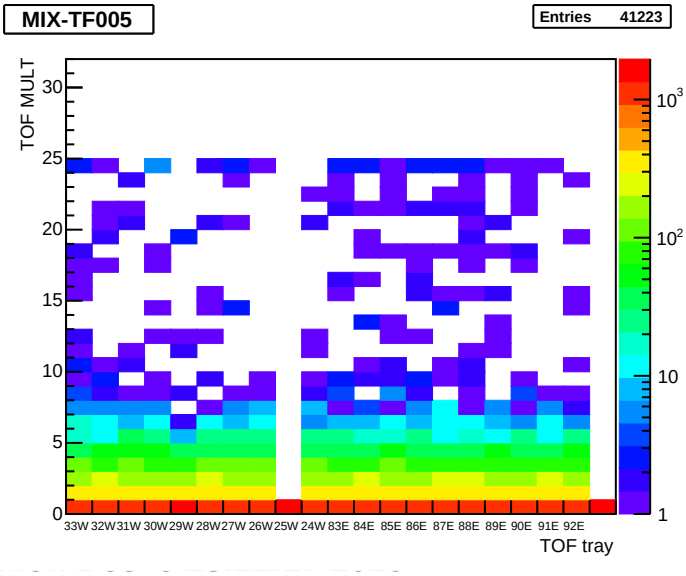

BunchId7Bit (TOFmult window)
Entries 0

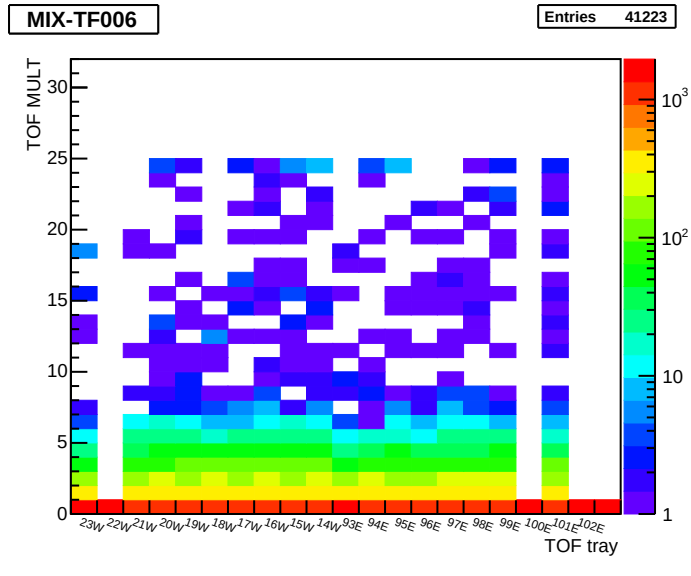

MIX-TF001
Entries 41223
TOF MULT
TOF tray

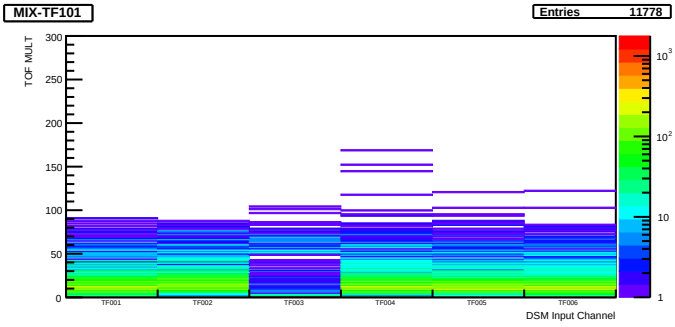

MIX-TF002
Entries 41223
TOF MULT
TOF tray

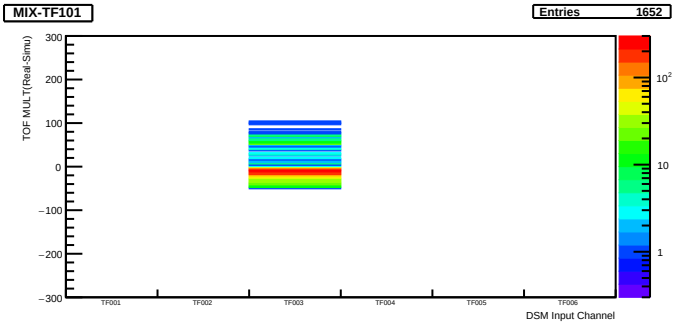

MIX-TF003
Entries 41223
TOF MULT
TOF tray

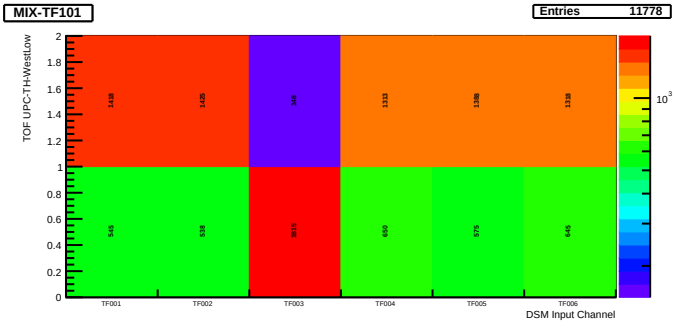

MIX-TF004
Entries 41223
TOF MULT
TOF tray

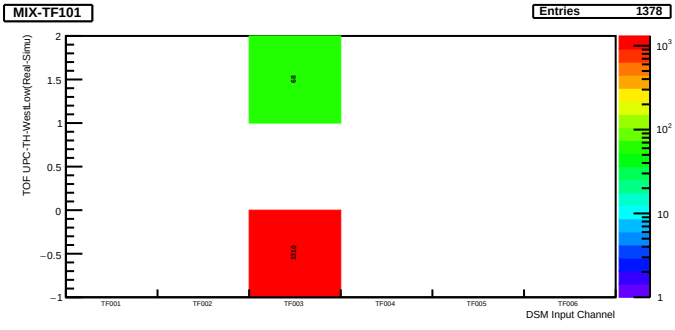

MIX-TF005
Entries 41223
TOF MULT
TOF tray

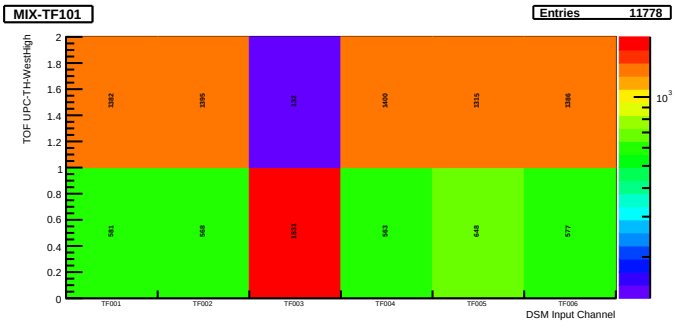

MIX-TF006
Entries 41223
TOF MULT
TOF tray

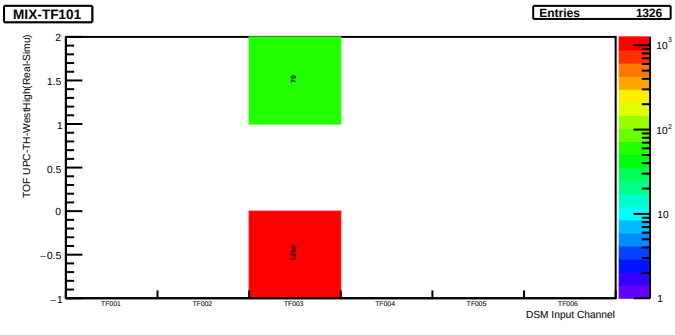

MIX-TF101
Entries 11778
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

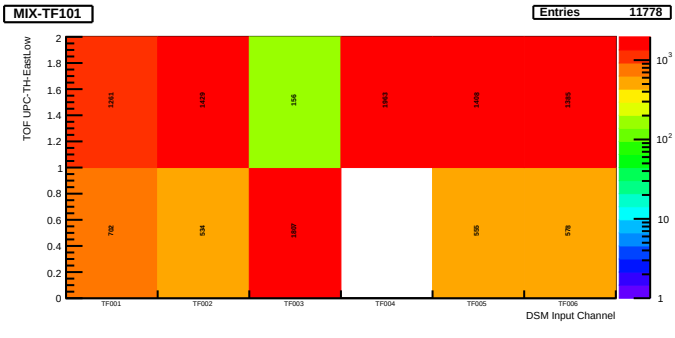

MIX-TF101
Entries 1652
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

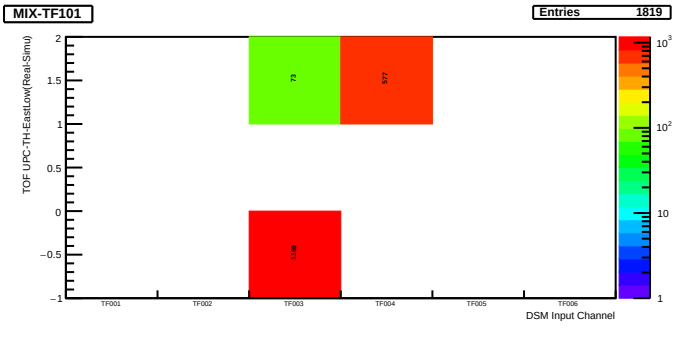

MIX-TF101
Entries 11778
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

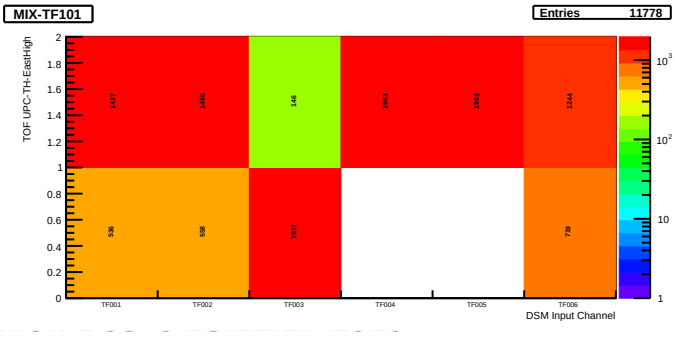

MIX-TF101
Entries 1378
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

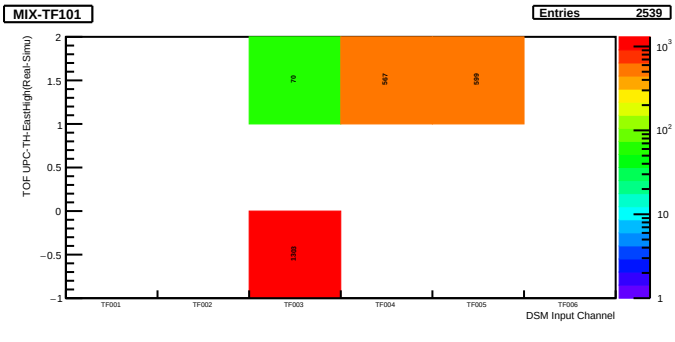

MIX-TF101
Entries 11778
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

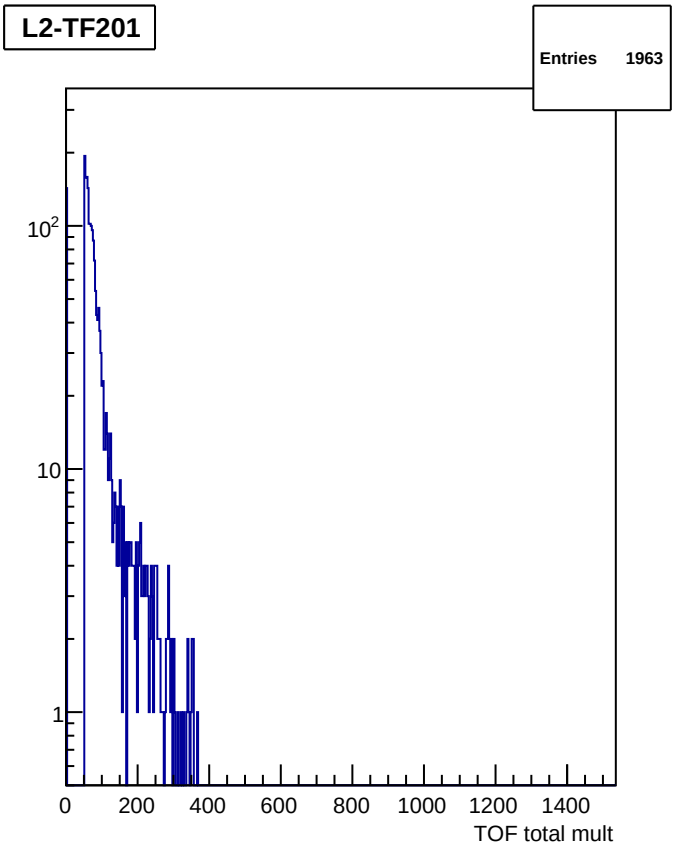

MIX-TF101
Entries 1326
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

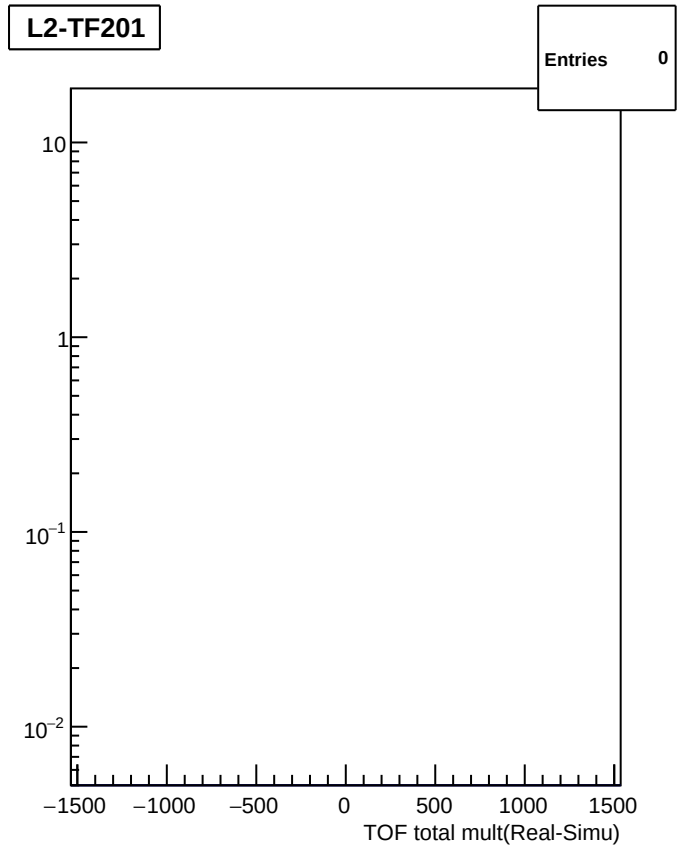

MIX-TF101
Entries 11778
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

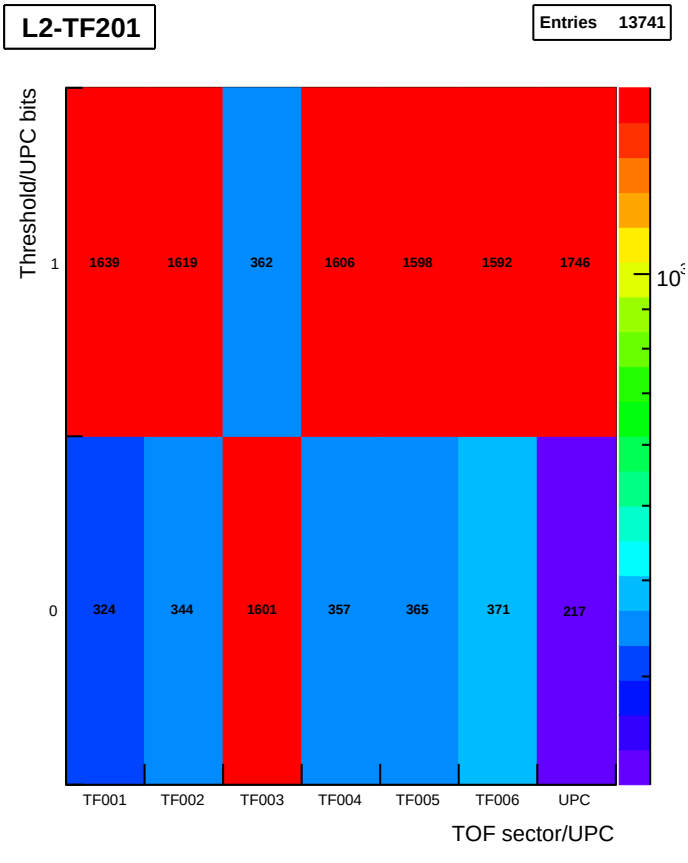

MIX-TF101
Entries 1819
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

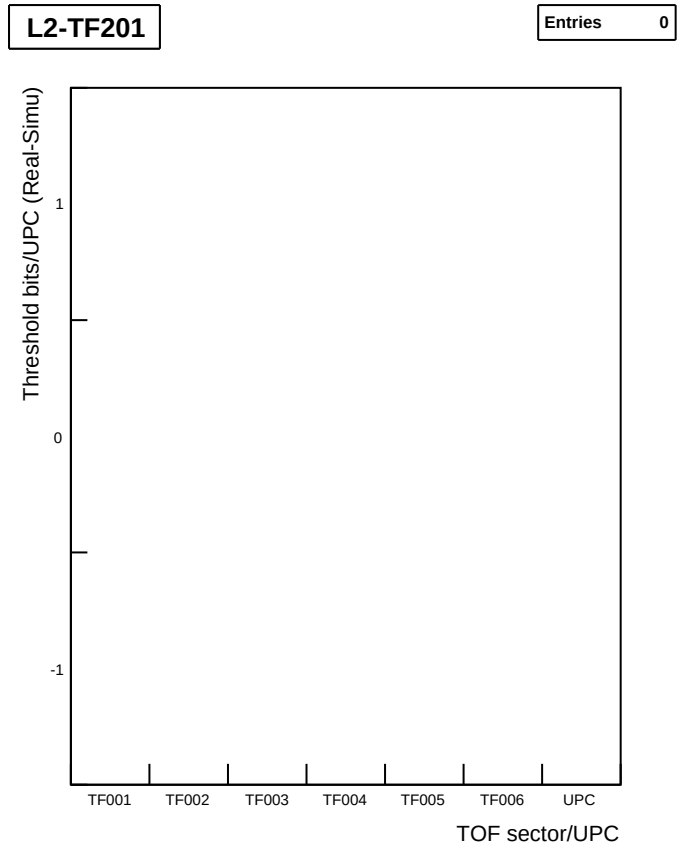

MIX-TF101
Entries 11778
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

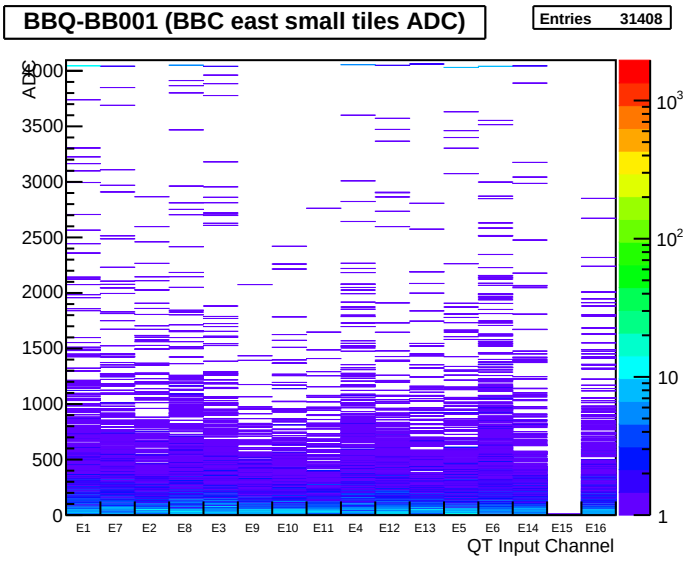

MIX-TF101
Entries 2539
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

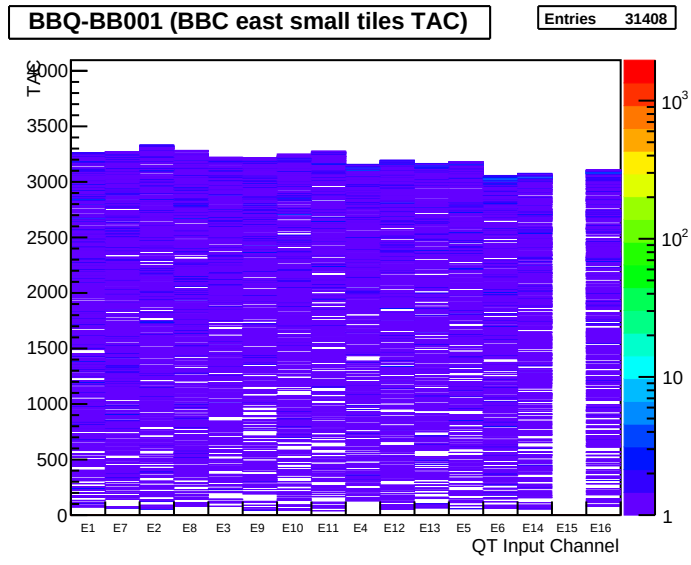

L2-TF201
Entries 1963
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

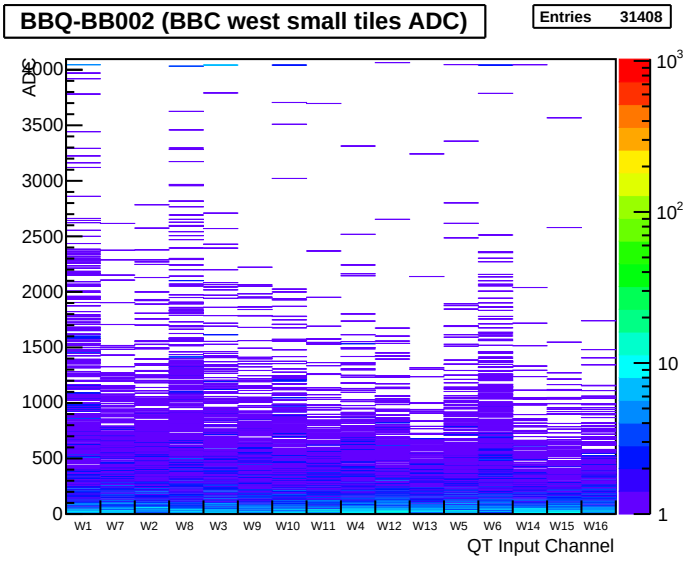

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

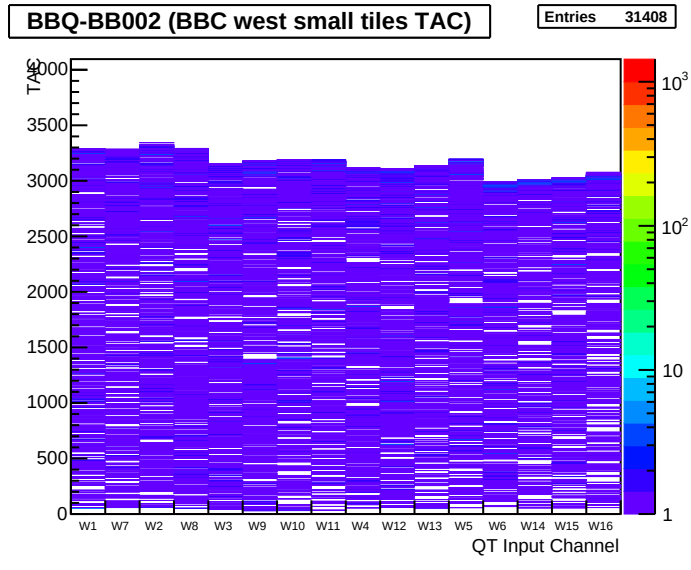

L2-TF201
Entries 13741
Threshold/UPC bits
1
0
1639
1619
362
1606
1598
1592
1746
324
344
1601
357
365
371
217
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

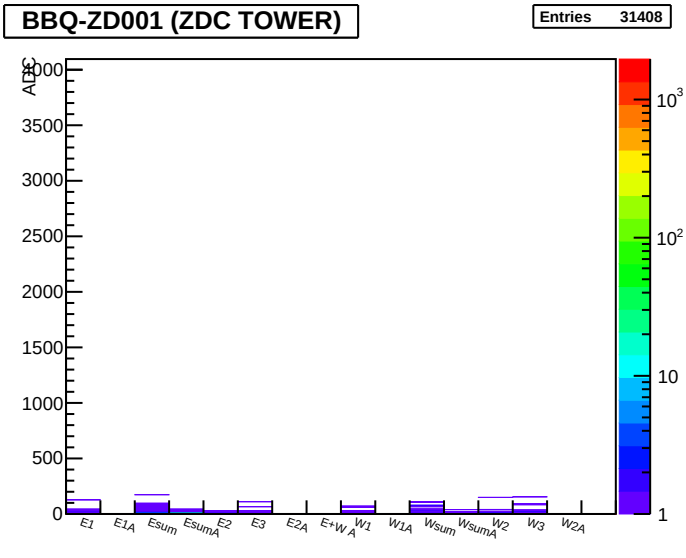

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

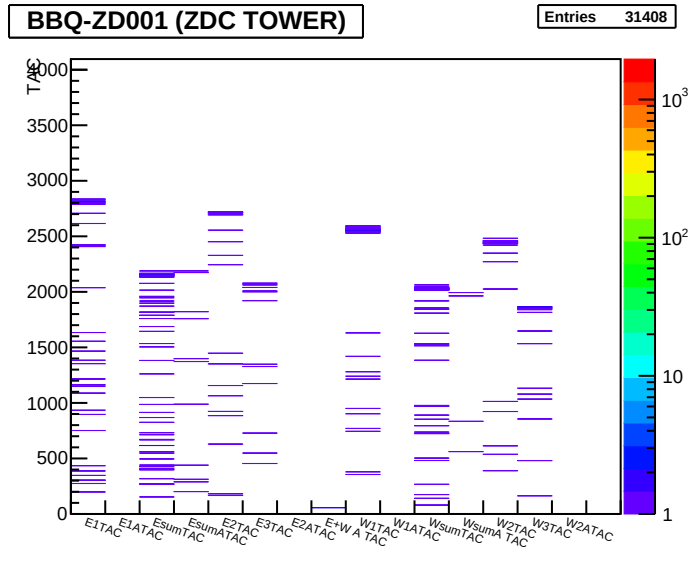

BBQ-BB001 (BBC east small tiles ADC)
Entries 31408
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

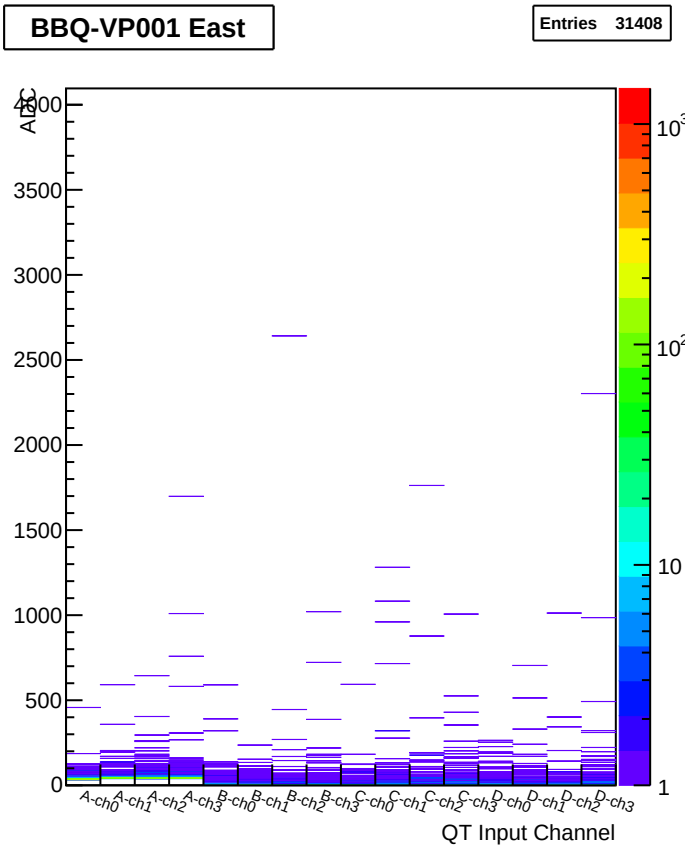

BBQ-BB001 (BBC east small tiles TAC)
Entries 31408
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

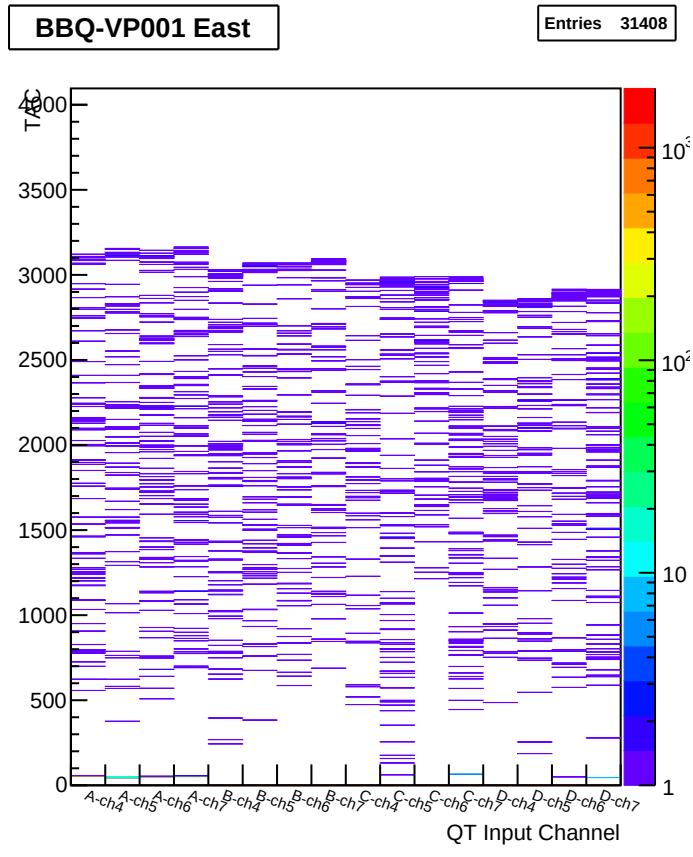

BBQ-BB002 (BBC west small tiles ADC)
Entries 31408
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

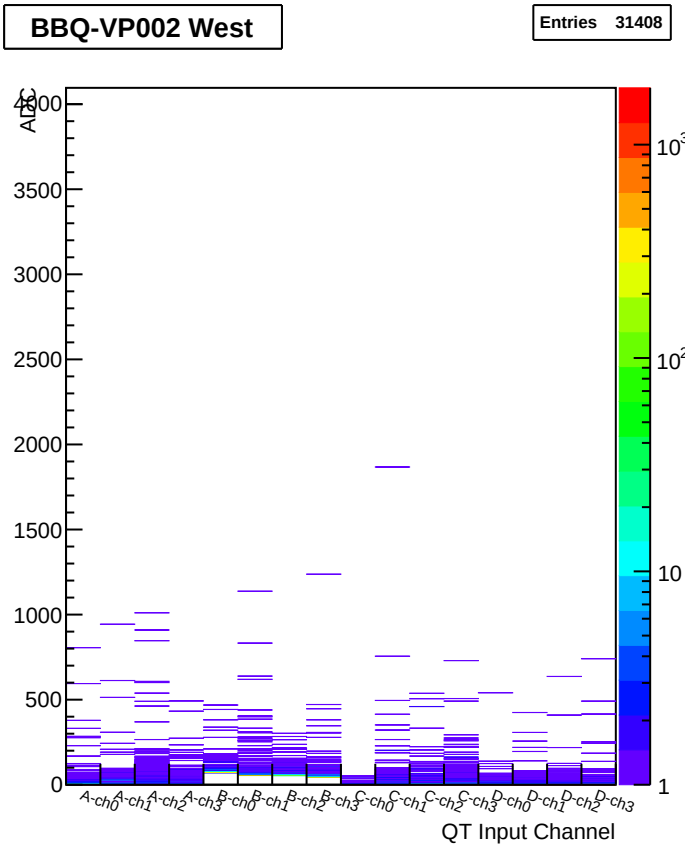

BBQ-BB002 (BBC west small tiles TAC)
Entries 31408
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

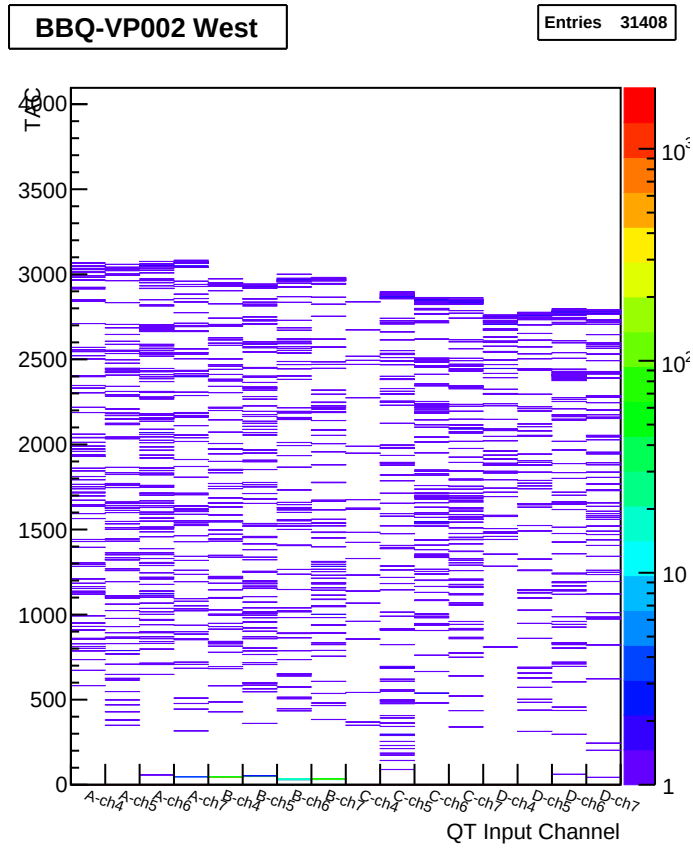

BBQ-ZD001 (ZDC TOWER)
Entries 31408
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

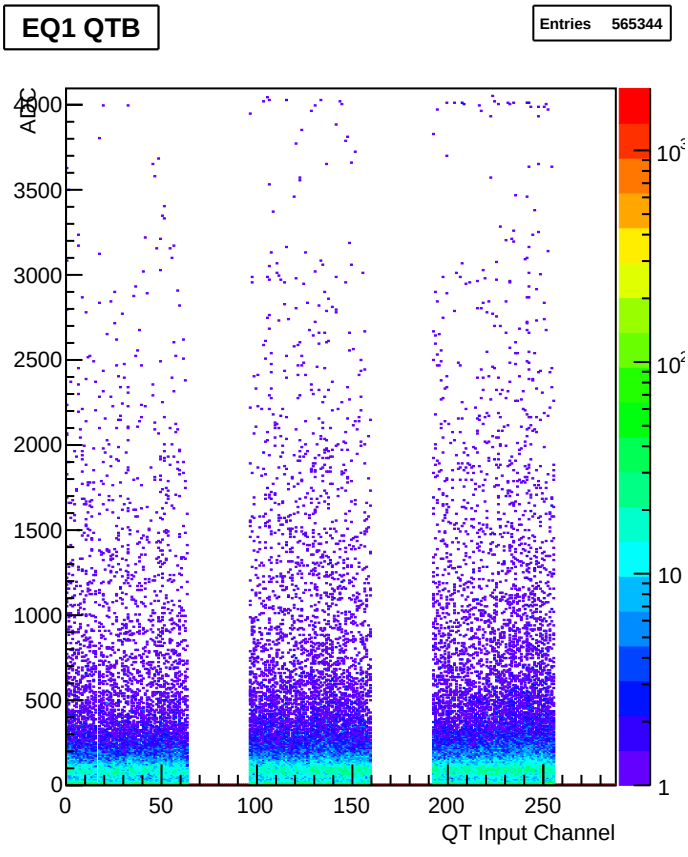

BBQ-ZD001 (ZDC TOWER)
Entries 31408
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

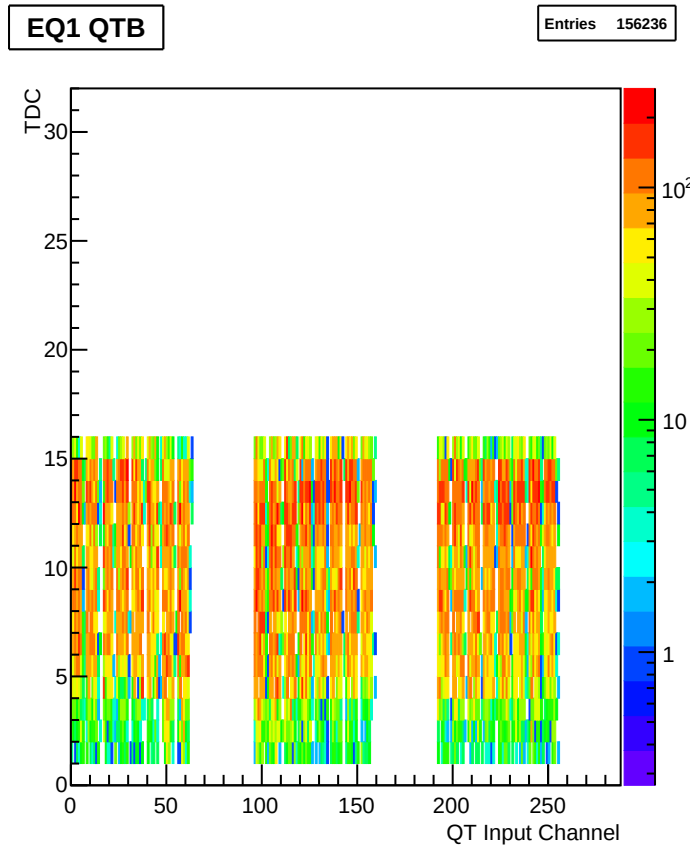

BBQ-VP001 East
Entries 31408
ADC
QT Input Channel

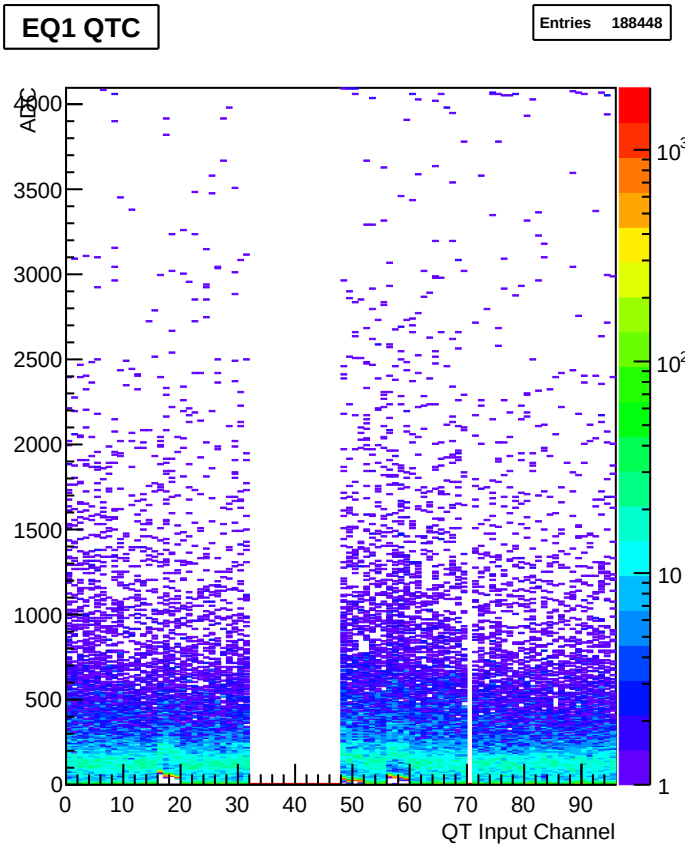

BBQ-VP001 East
Entries 31408
TADC
QT Input Channel

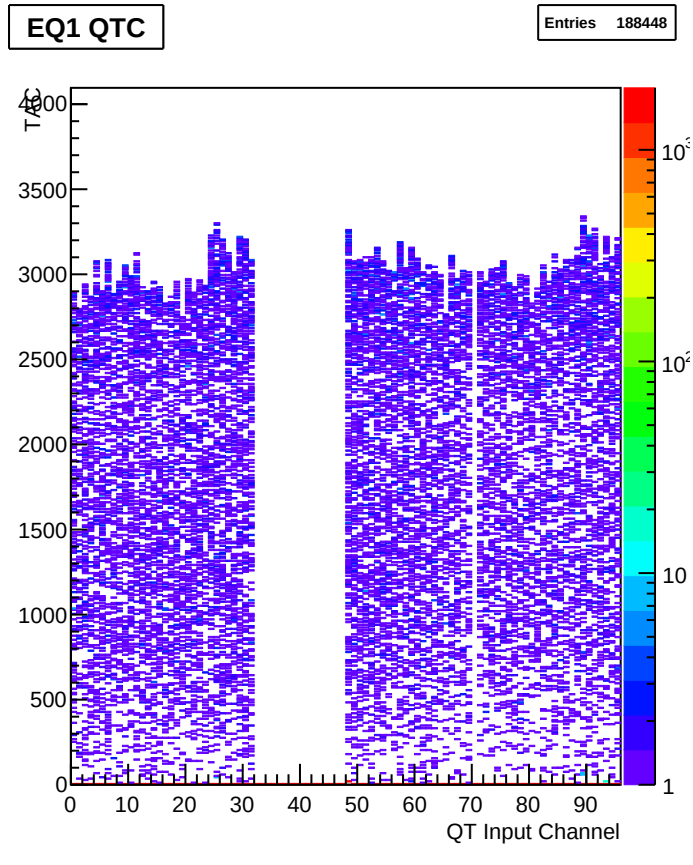

BBQ-VP002 West
Entries 31408
ADC
QT Input Channel

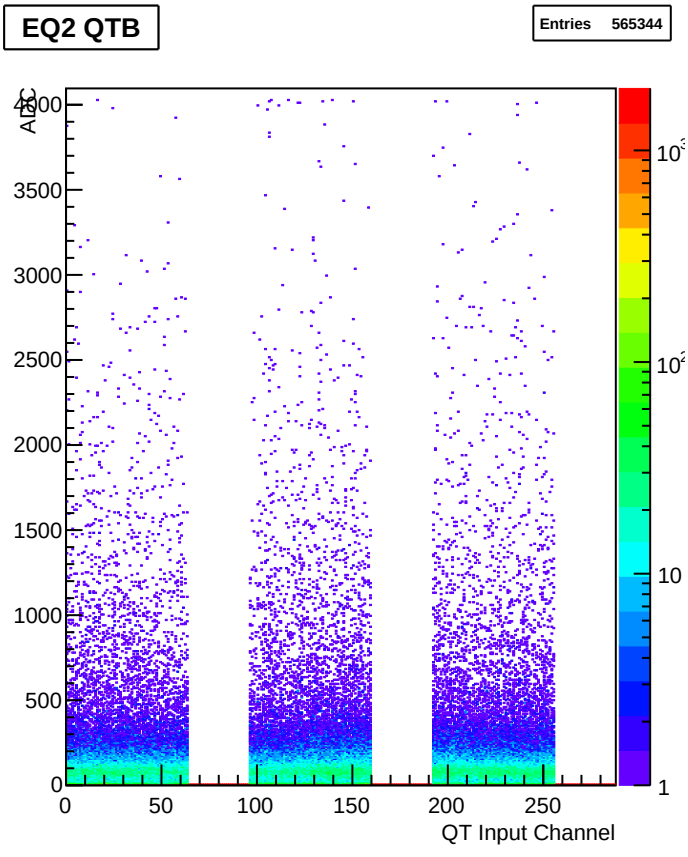

BBQ-VP002 West
Entries 31408
TADC
QT Input Channel

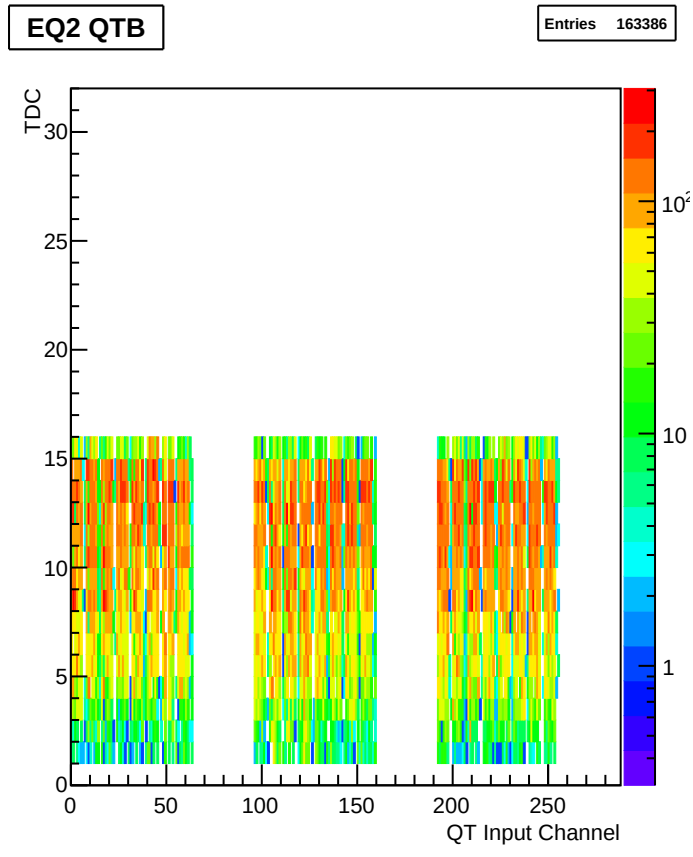

EQ1 QTB
Entries 565344
ADC
QT Input Channel

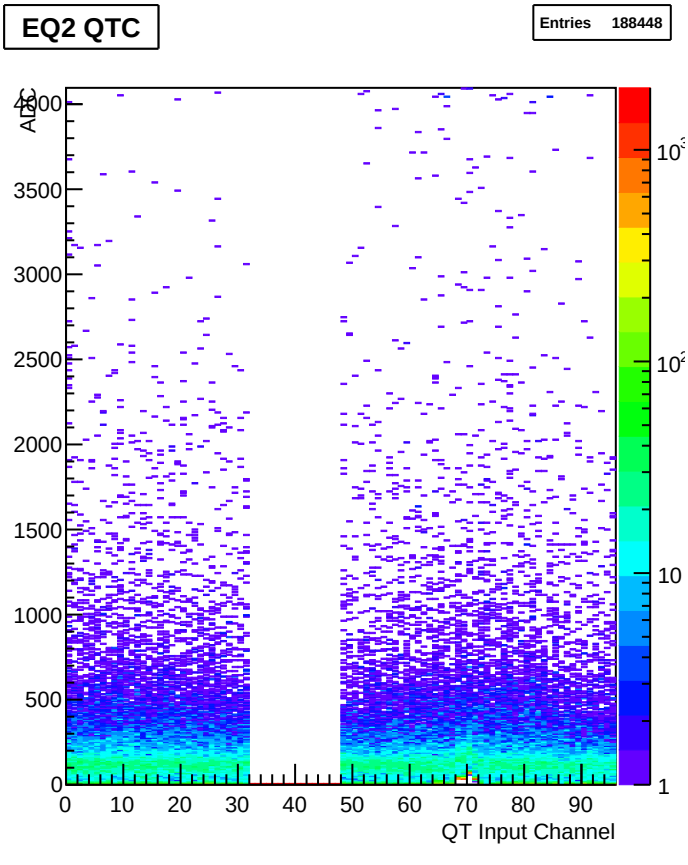

EQ1 QTB
Entries 156236
TDC
QT Input Channel

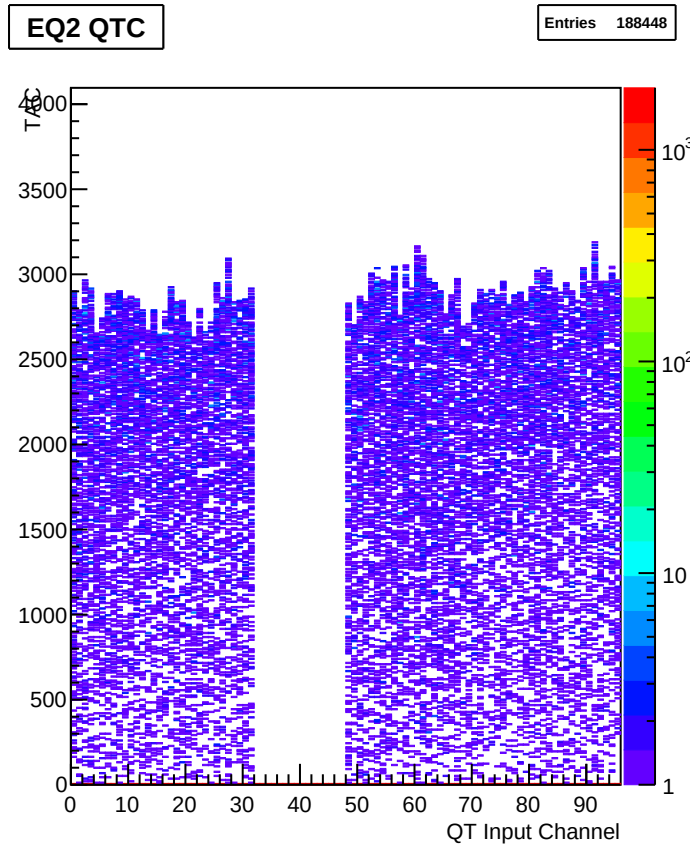

EQ1 QTC
Entries 188448
ADC
QT Input Channel

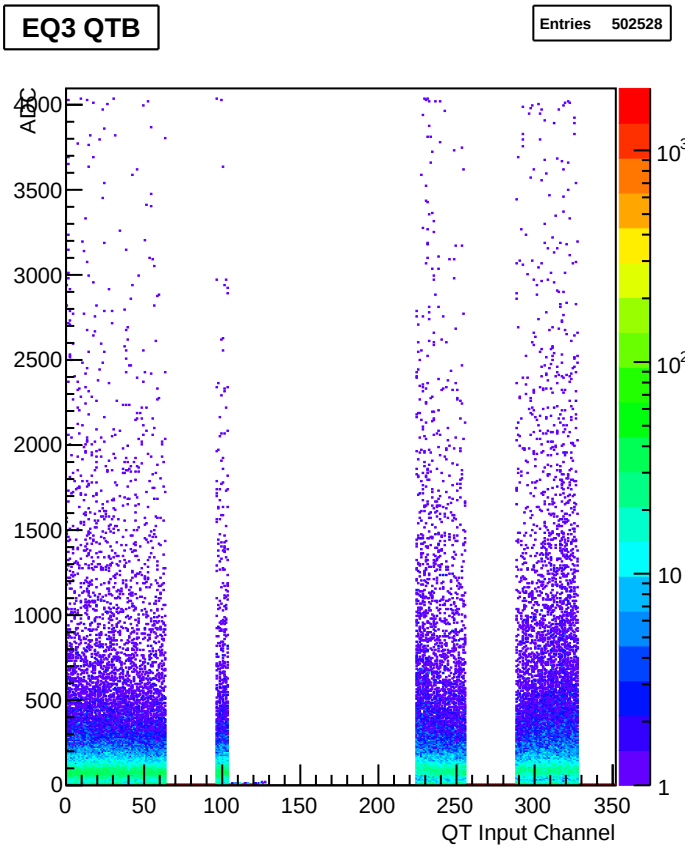

EQ1 QTC
Entries 188448
TADC
QT Input Channel

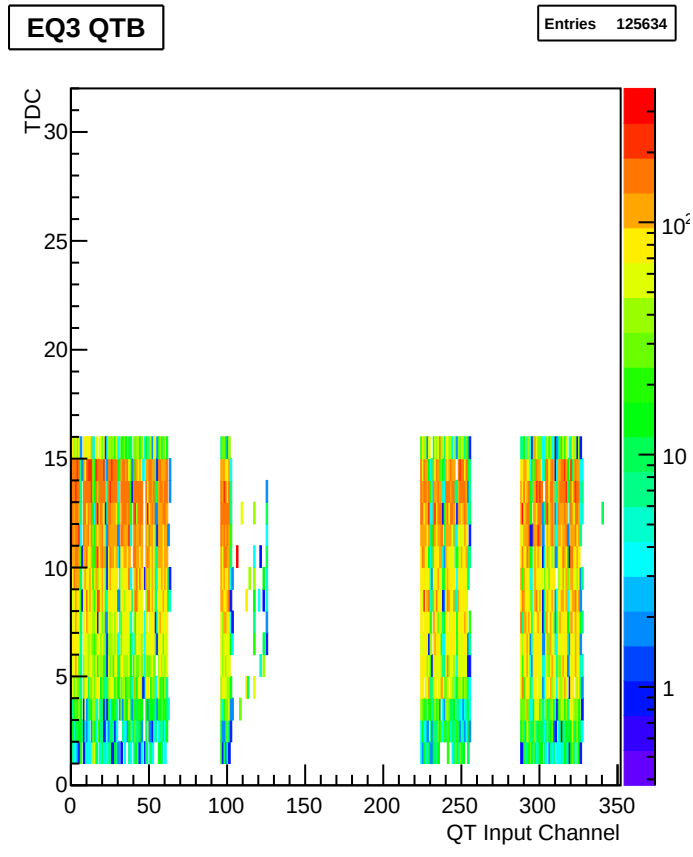

EQ2 QTB
Entries 565344
ADC
QT Input Channel

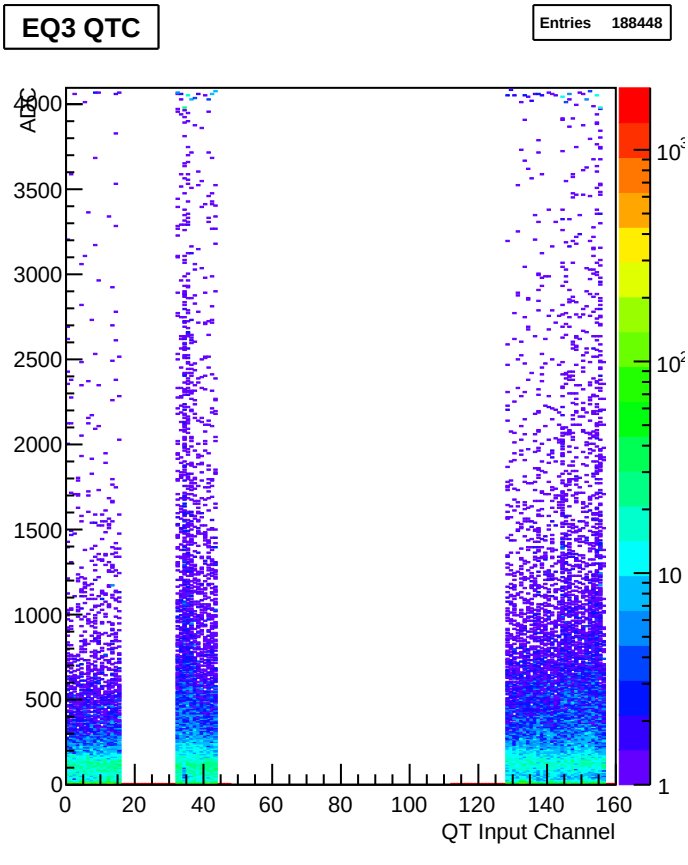

EQ2 QTB
Entries 163386
TDC
QT Input Channel

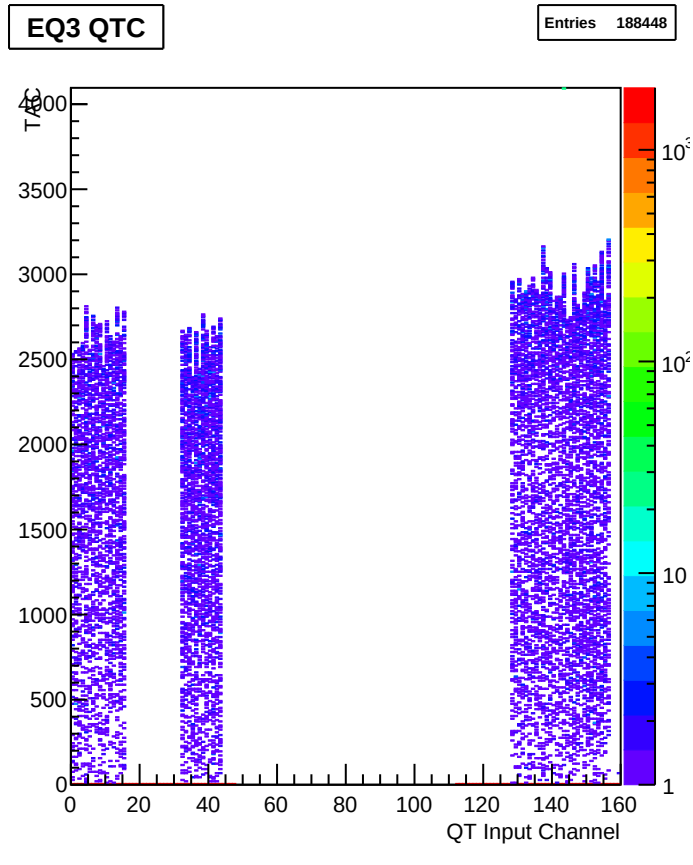

EQ2 QTC
Entries 188448
ADC
QT Input Channel

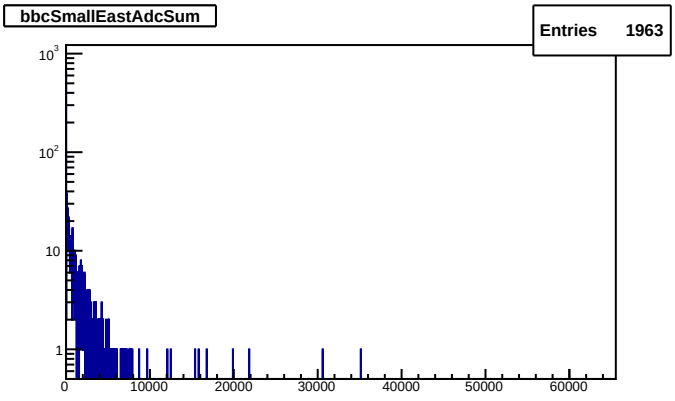

EQ2 QTC
Entries 188448
TADC
QT Input Channel

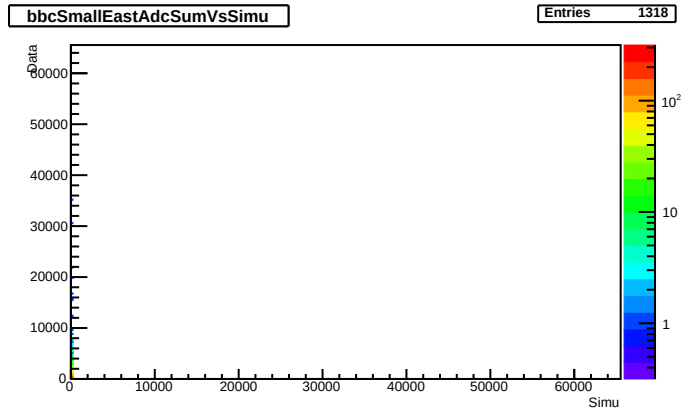

EQ3 QTB
Entries 502528
ADC
QT Input Channel

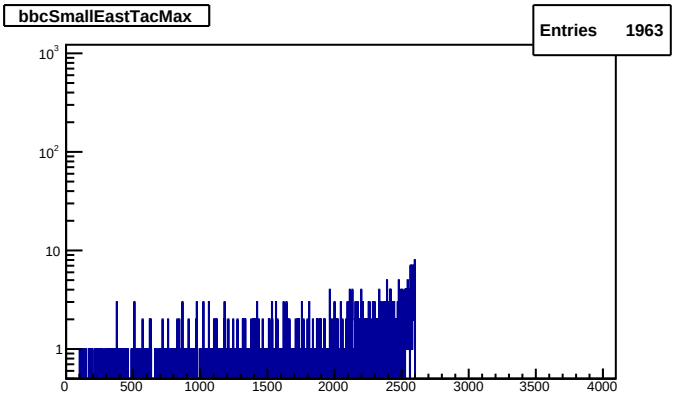

EQ3 QTB
Entries 125634
TDC
QT Input Channel

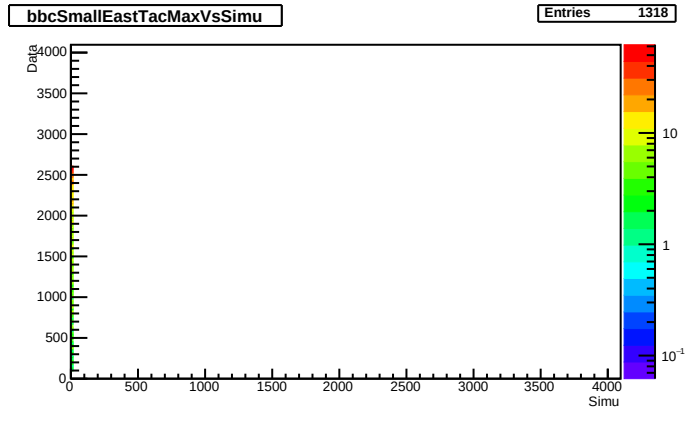

EQ3 QTC
Entries 188448
ADC
QT Input Channel

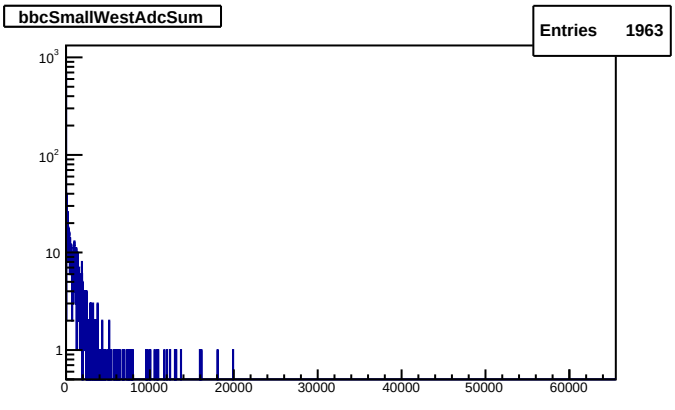

EQ3 QTC
Entries 188448
TADC
QT Input Channel

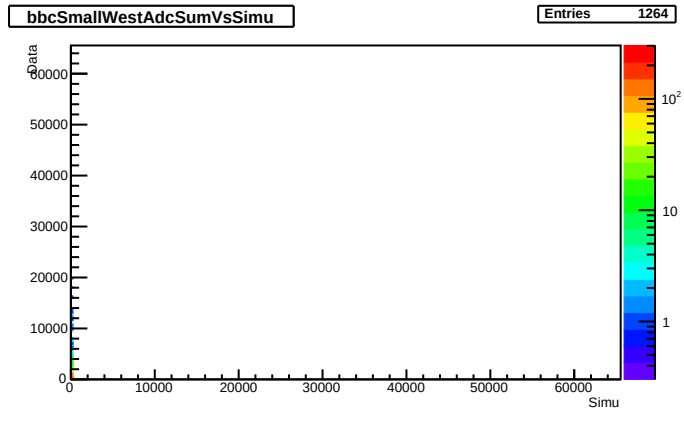

bbcSmallEastAdcSum
Entries 1963

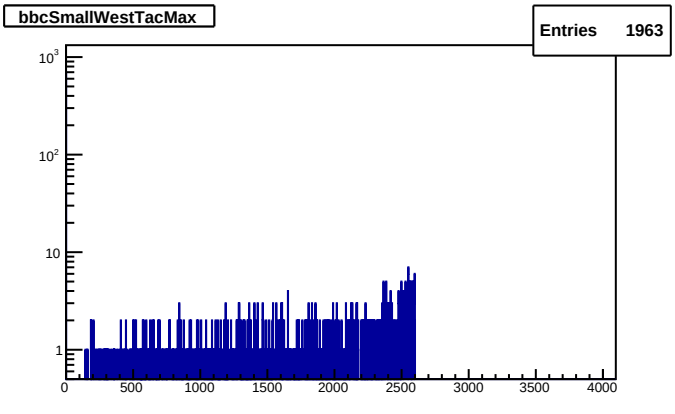

bbcSmallEastAdcSumVsSimu
Entries 1318
Data
Simu

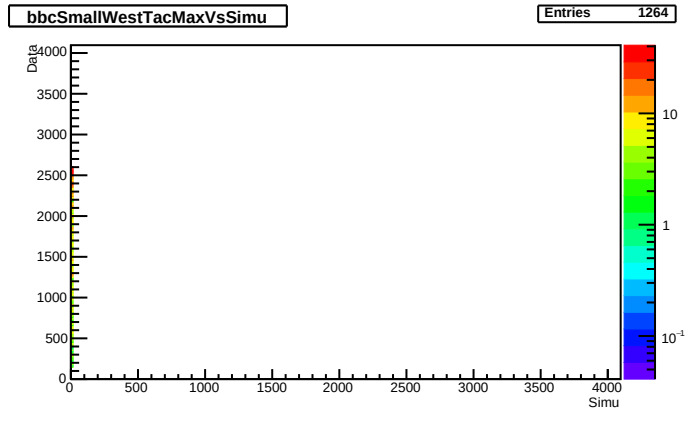

bbcSmallEastTacMax
Entries 1963

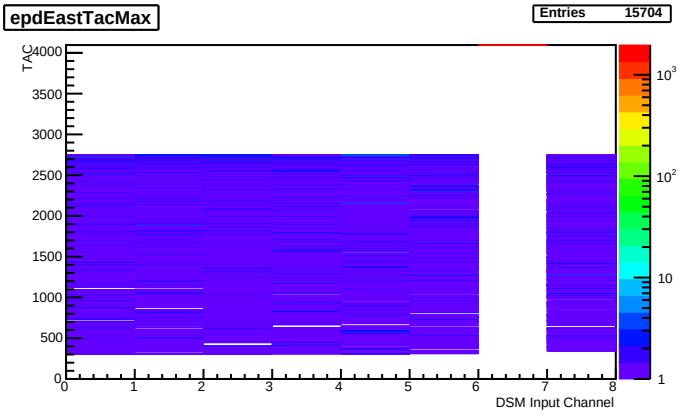

bbcSmallEastTacMaxVsSimu
Entries 1318
Data
Simu

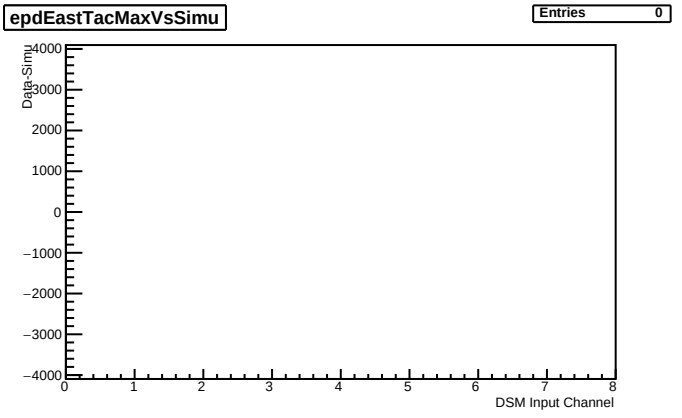

bbcSmallWestAdcSum
Entries 1963

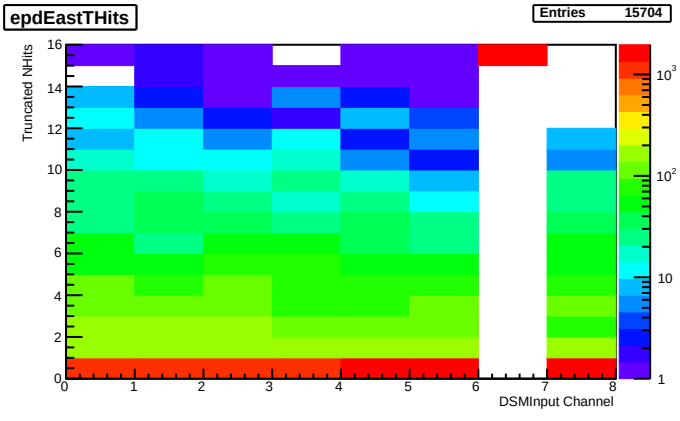

bbcSmallWestAdcSumVsSimu
Entries 1264
Data
Simu

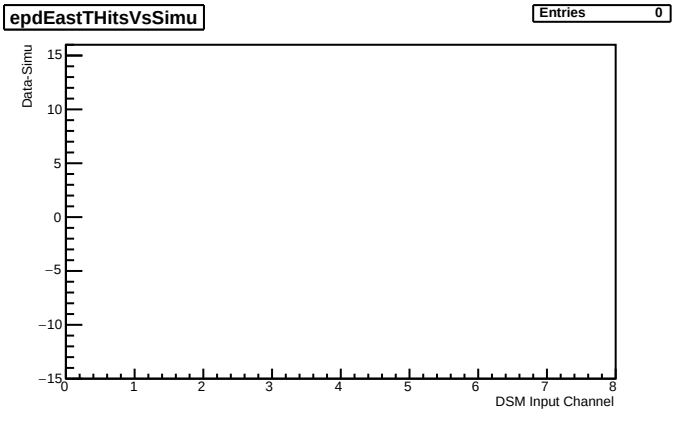

bbcSmallWestTacMax
Entries 1963

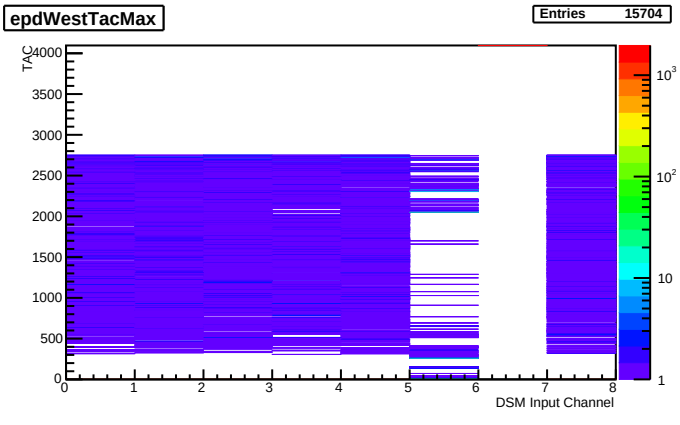

bbcSmallWestTacMaxVsSimu
Entries 1264
Data
Simu

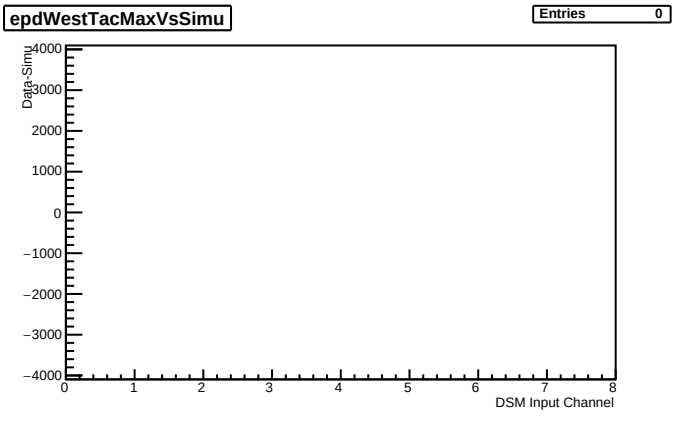

epdEastTacMax
Entries 15704
TAC
DSM Input Channel

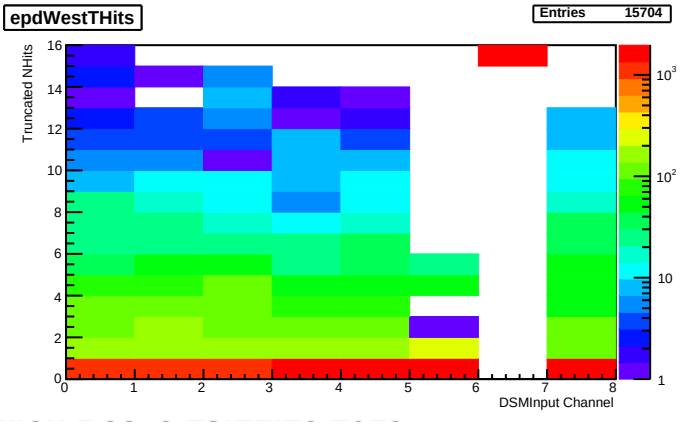

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

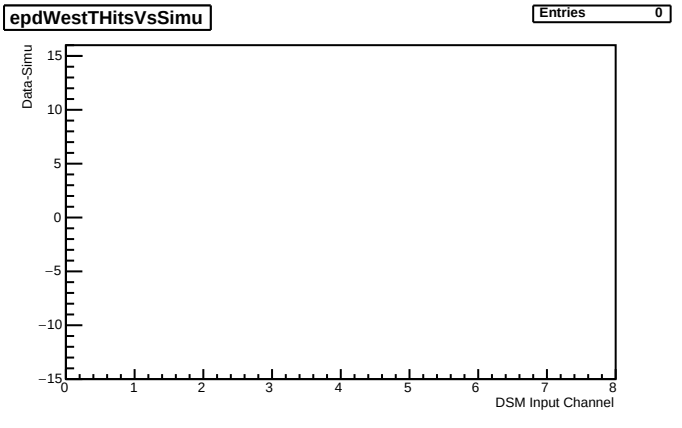

epdEastTHits
Entries 15704
Truncated NHits
DSMInput Channel

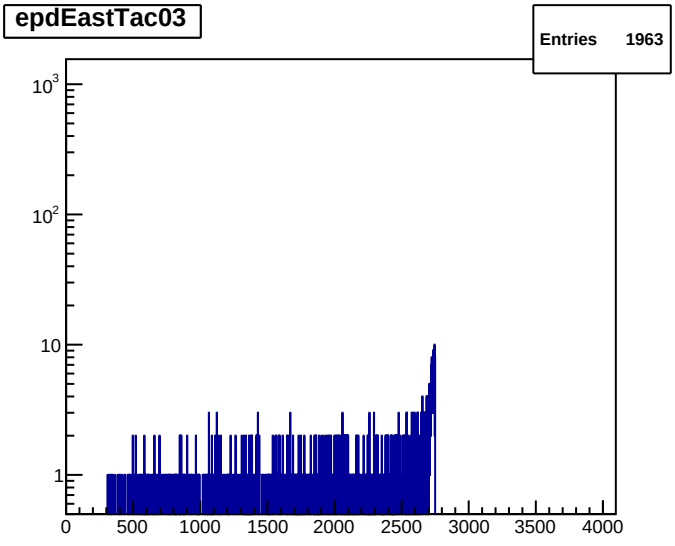

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

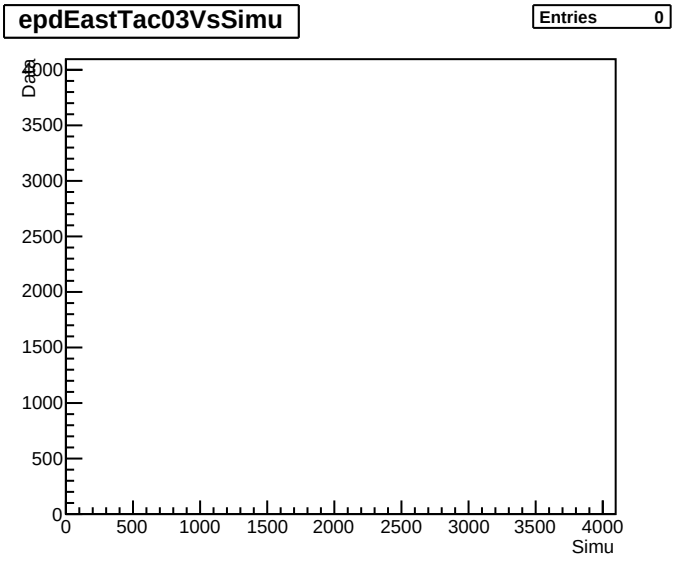

epdWestTacMax
Entries 15704
TAC
DSM Input Channel

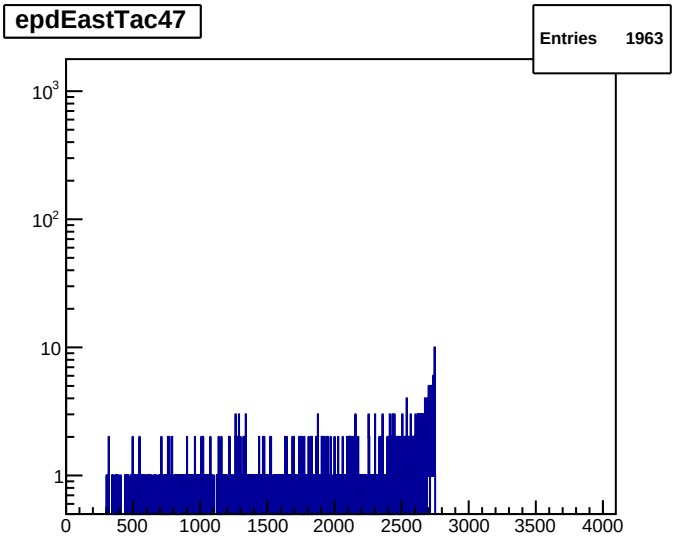

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

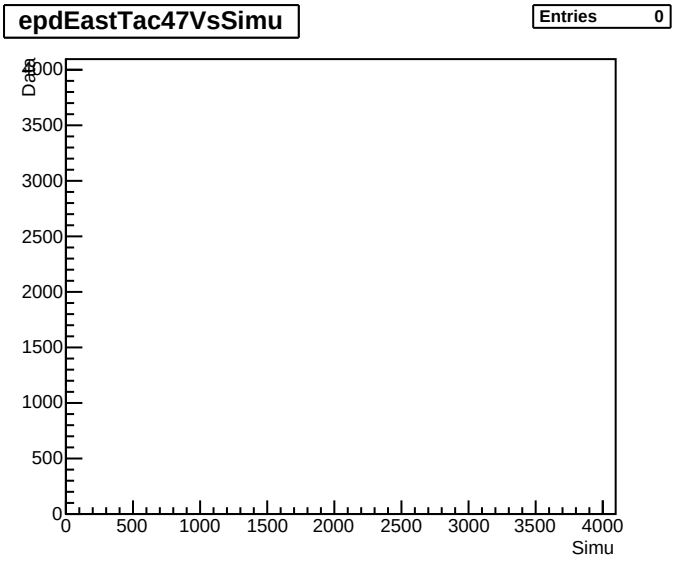

epdWestTHits
Entries 15704
Truncated NHits
DSMInput Channel

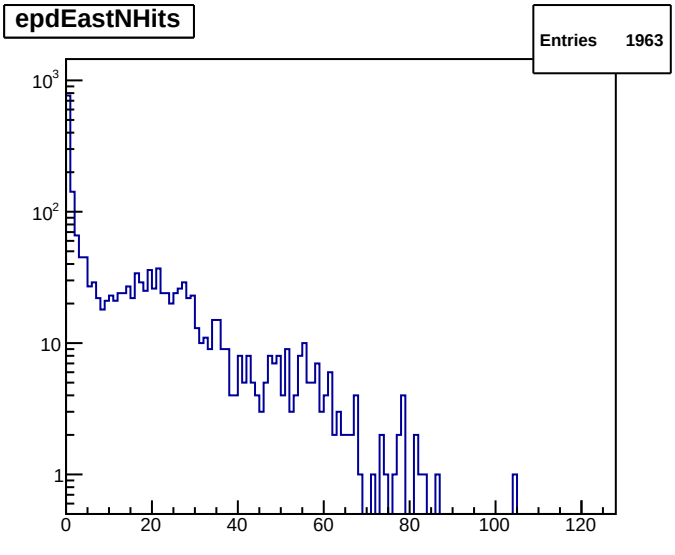

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

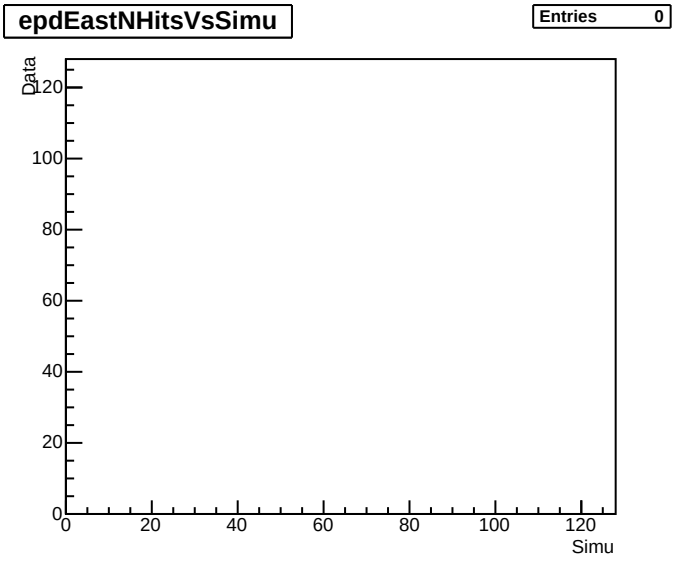

epdEastTac03
Entries 1963

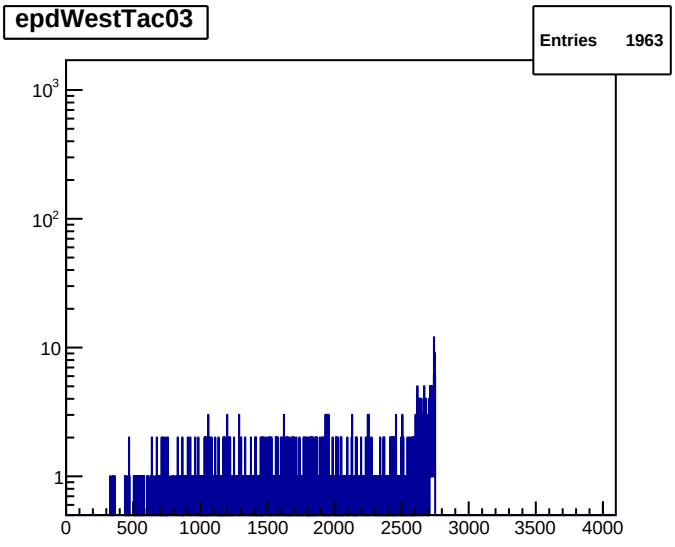

epdEastTac03VsSimu
Entries 0
Data
Simu

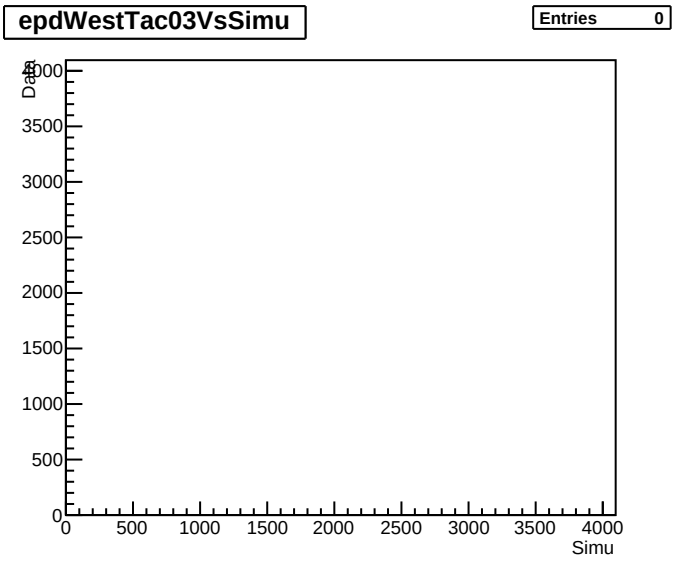

epdEastTac47
Entries 1963

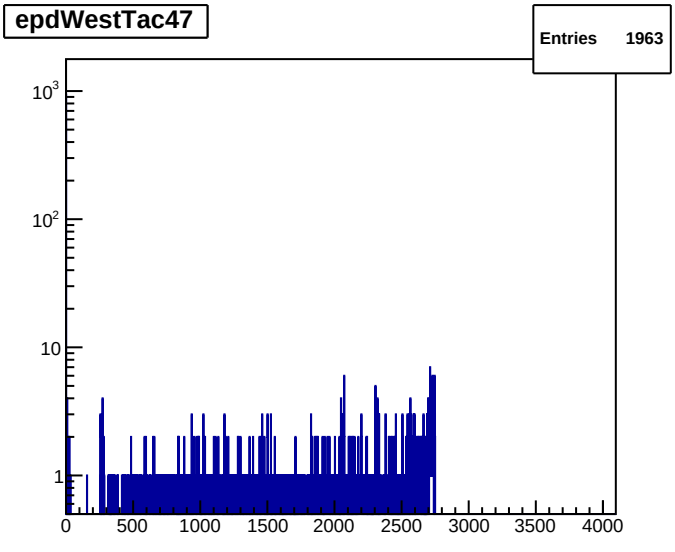

epdEastTac47VsSimu
Entries 0
Data
Simu

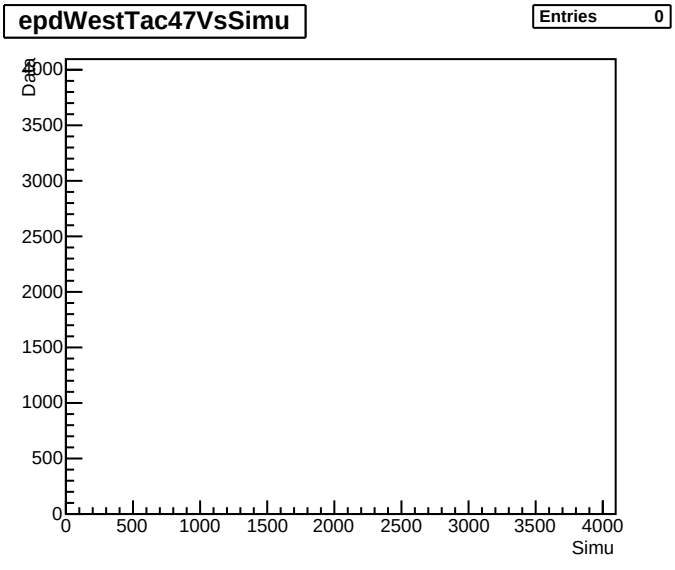

epdEastNHits
Entries 1963

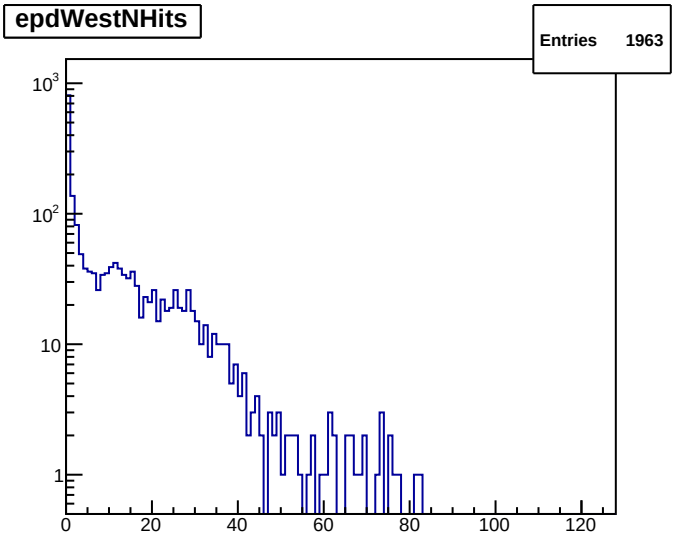

epdEastNHitsVsSimu
Entries 0
Data
Simu

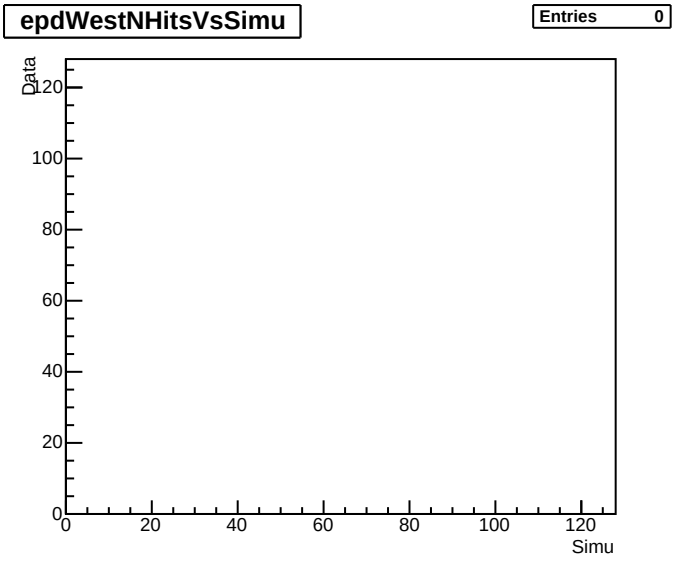

epdWestTac03
Entries 1963

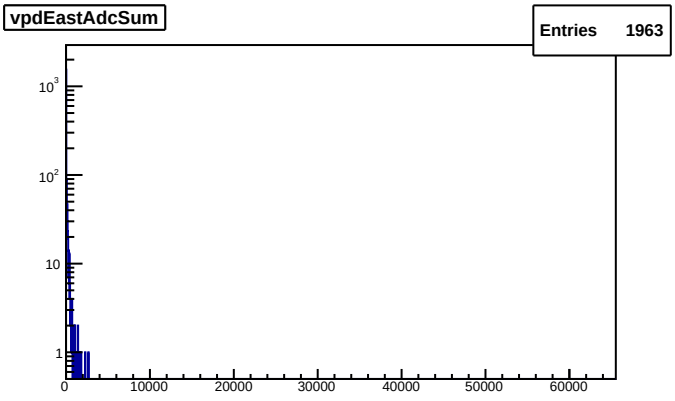

epdWestTac03VsSimu
Entries 0
Data
Simu

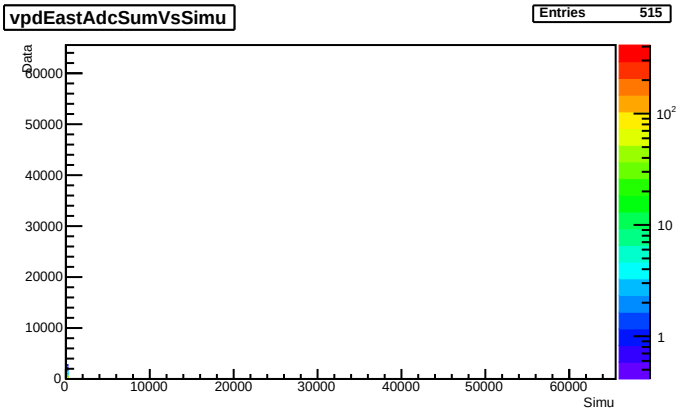

epdWestTac47
Entries 1963

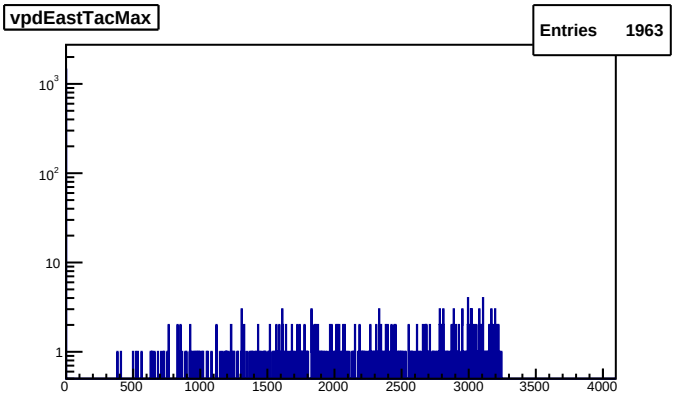

epdWestTac47VsSimu
Entries 0
Data
Simu

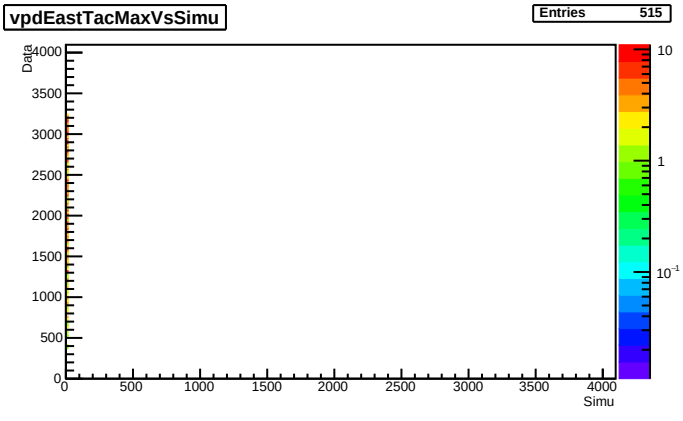

epdWestNHits
Entries 1963

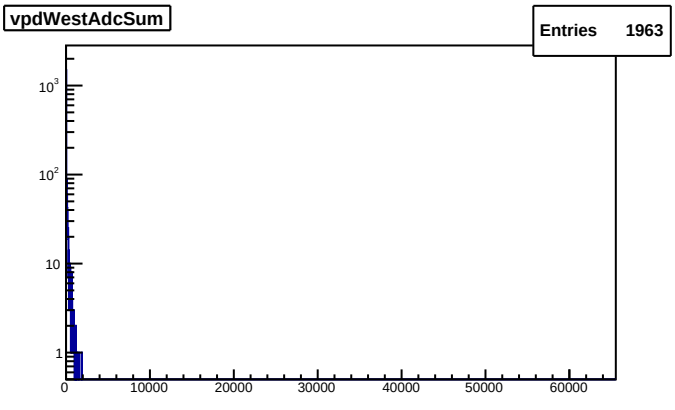

epdWestNHitsVsSimu
Entries 0
Data
Simu

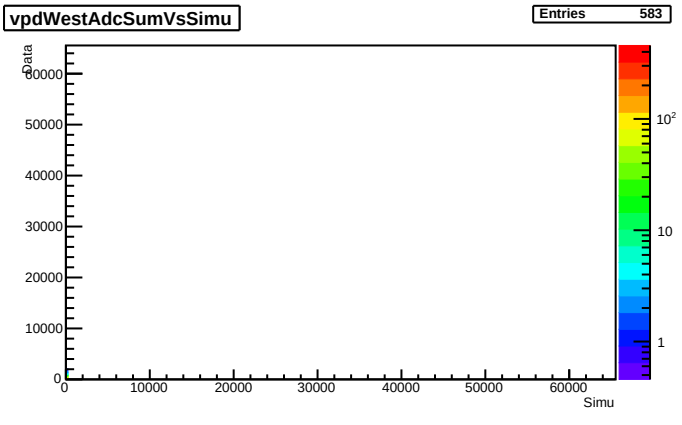

vpdEastAdcSum
Entries 1963

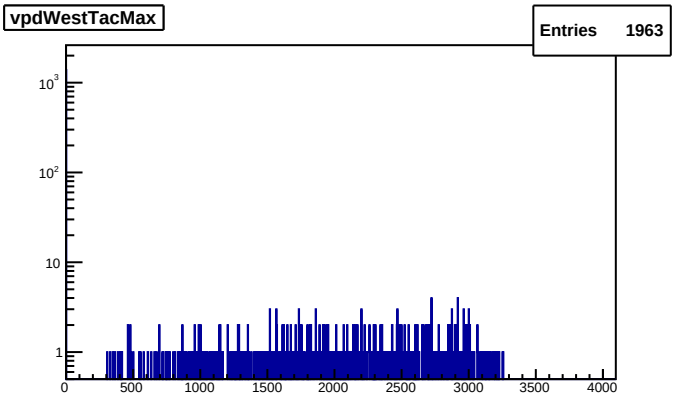

vpdEastAdcSumVsSimu
Entries 515
Data
Simu

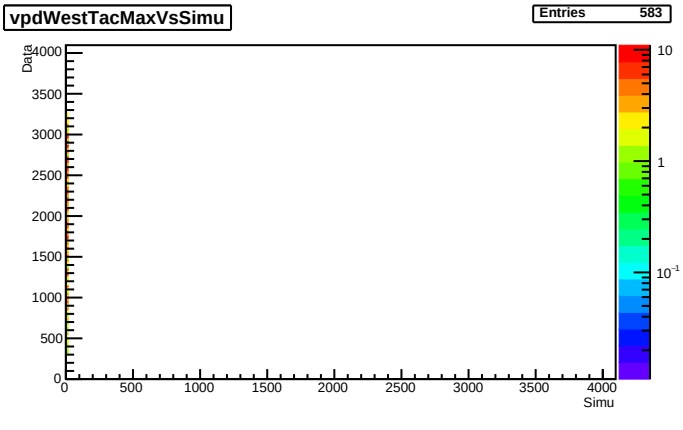

vpdEastTacMax
Entries 1963

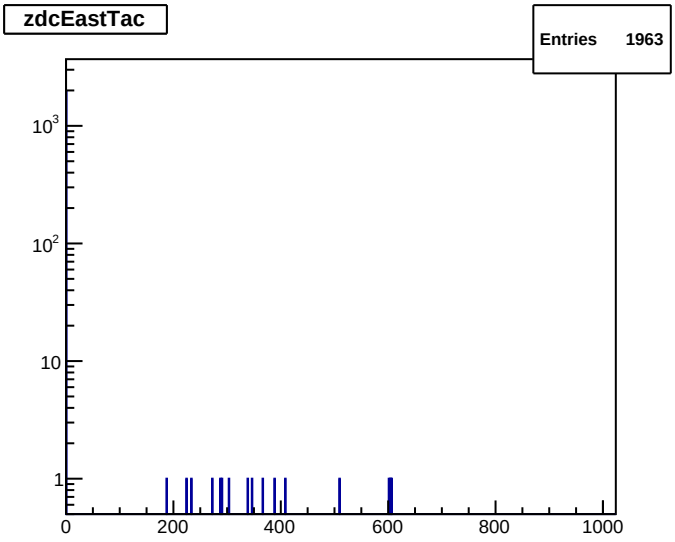

vpdEastTacMaxVsSimu
Entries 515
Data
Simu

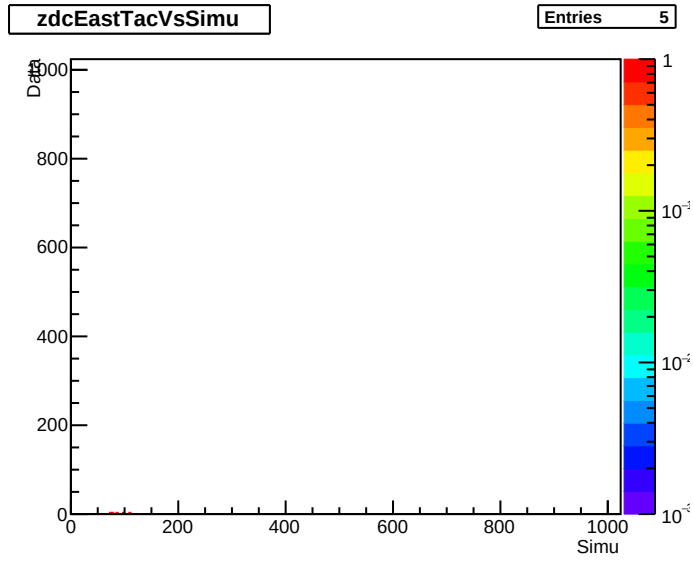

vpdWestAdcSum
Entries 1963

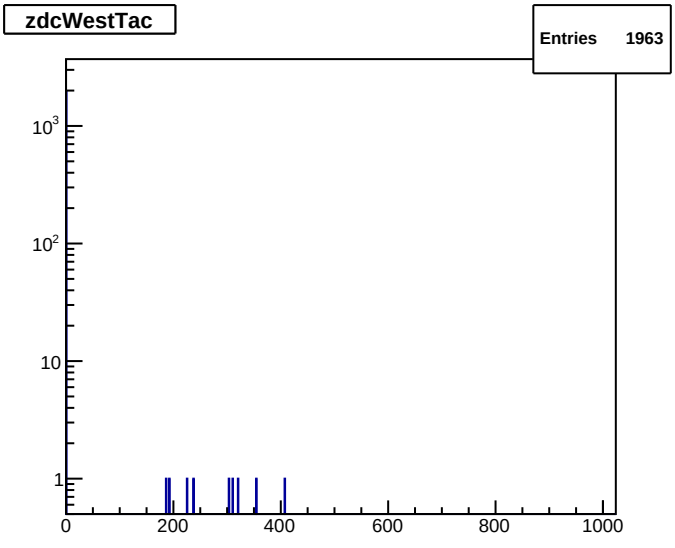

vpdWestAdcSumVsSimu
Entries 583
Data
Simu

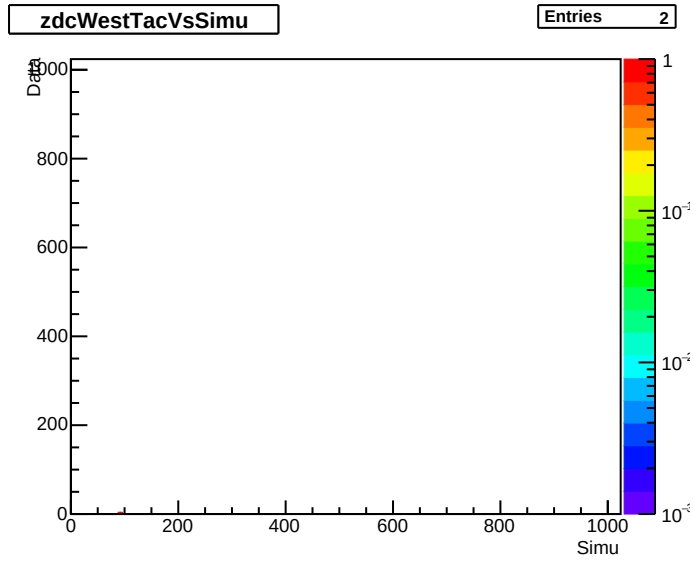

vpdWestTacMax
Entries 1963

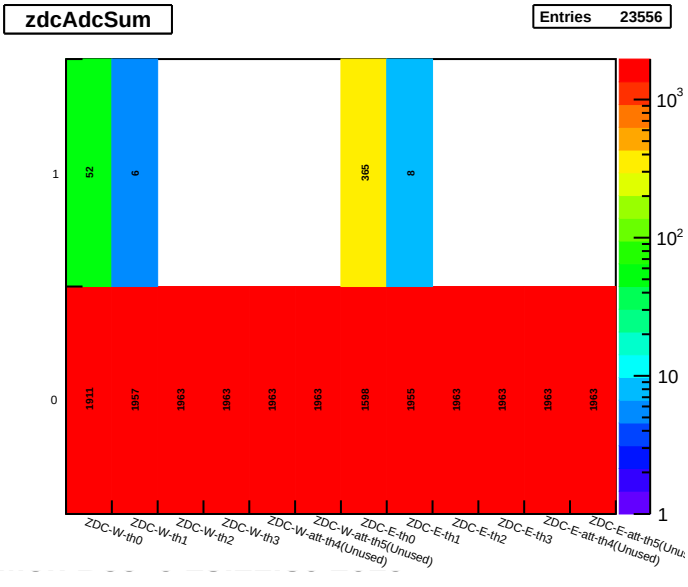

vpdWestTacMaxVsSimu
Entries 583
Data
Simu

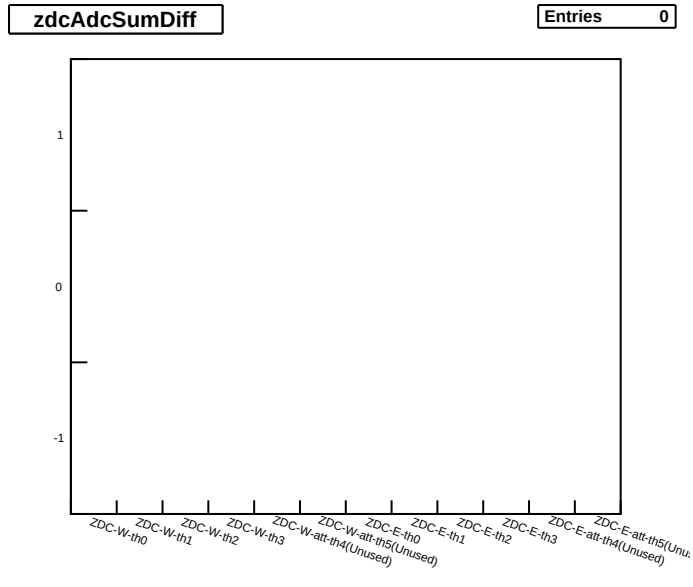

zdcEastTac
Entries 1963
10^3
10^2
10
1
0
200
400
600
800
1000

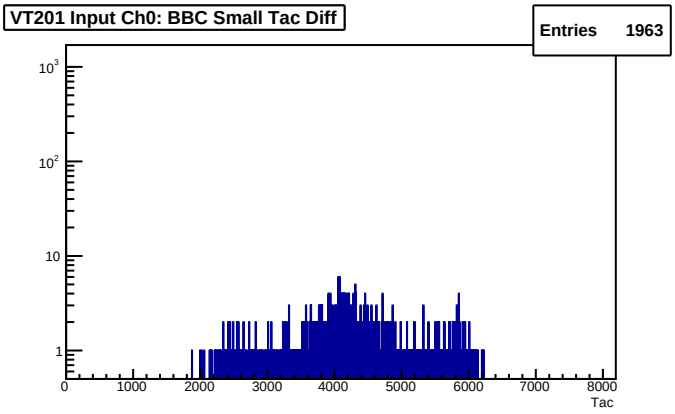

zdcEastTacVsSimu
Entries 5
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu
1

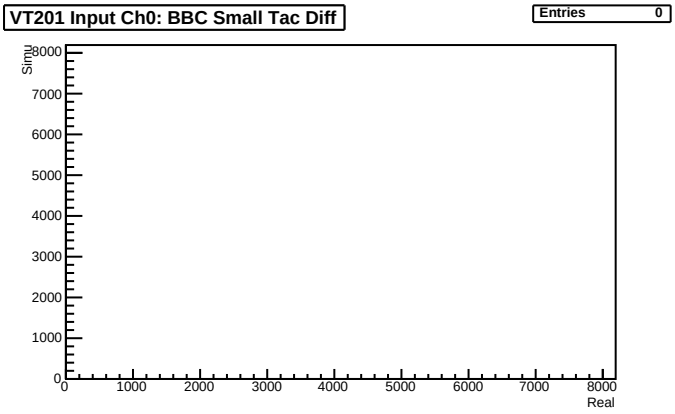

zdcWestTac
Entries 1963
10^3
10^2
10
1
0
200
400
600
800
1000

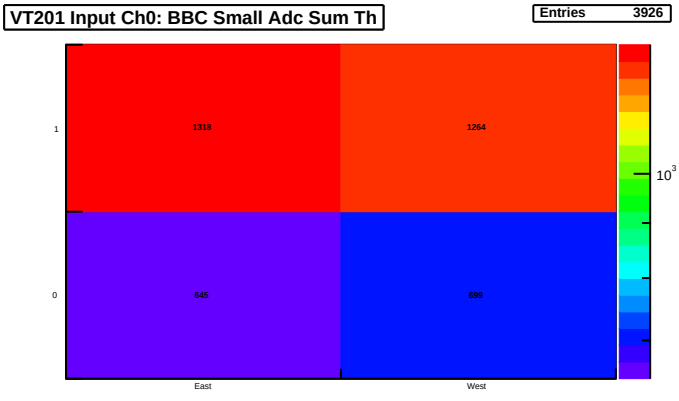

zdcWestTacVsSimu
Entries 2
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu
1

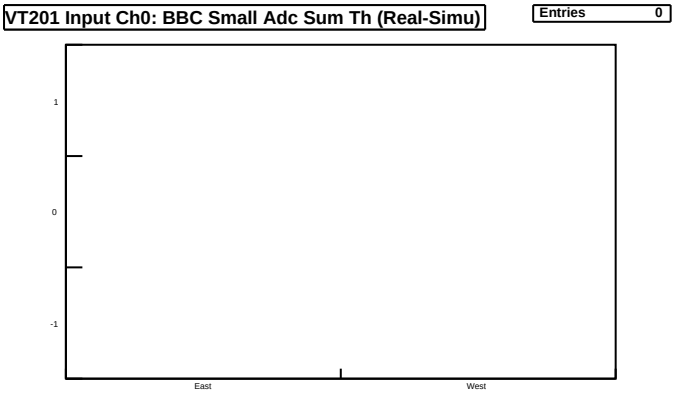

zdcAdcSum
Entries 23556
1
0
52
6
365
8
1911
1957
1963
1963
1963
1963
1598
1955
1963
1963
1963
1963
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

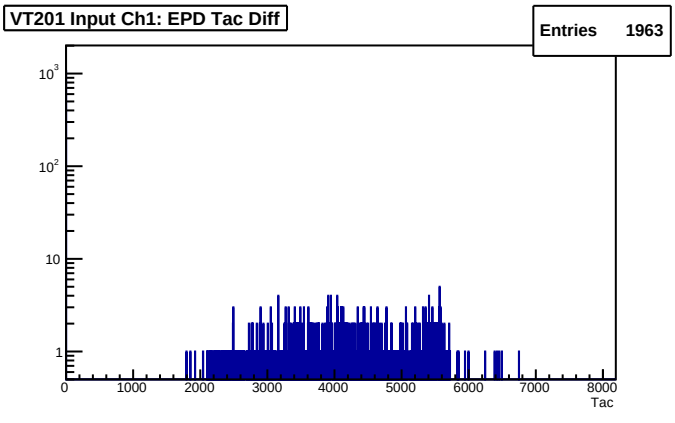

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

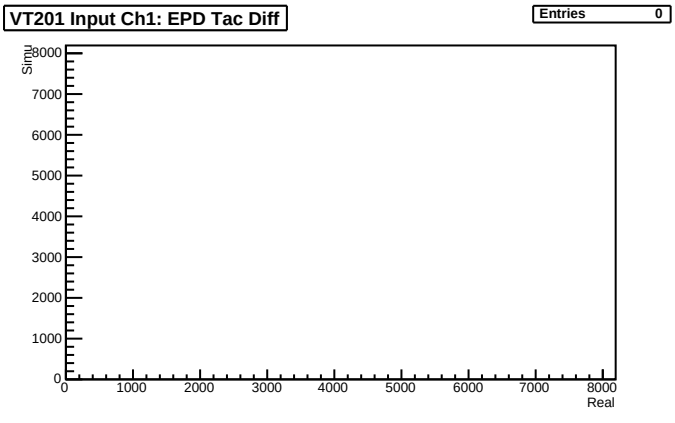

VT201 Input Ch0: BBC Small Tac Diff
Entries 1963
Tac

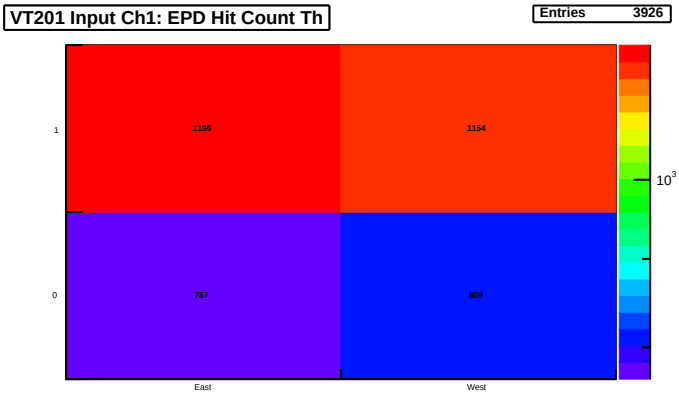

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

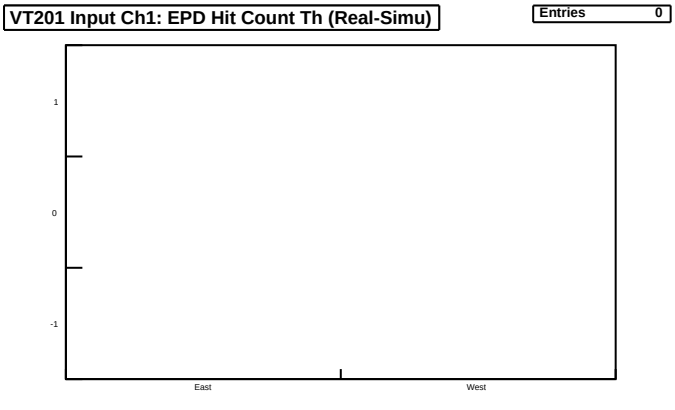

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 3926
1318
1264
645
699
East
West

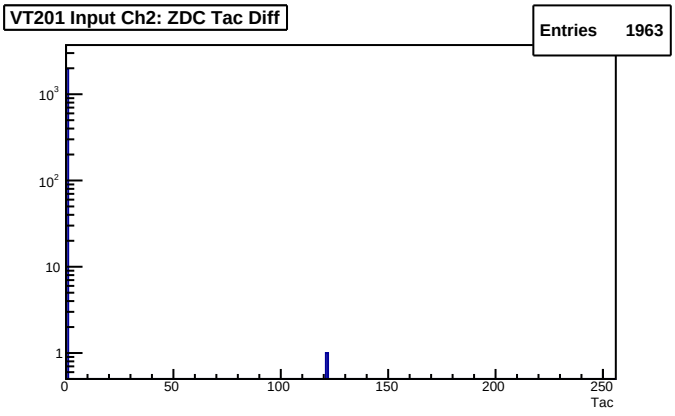

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

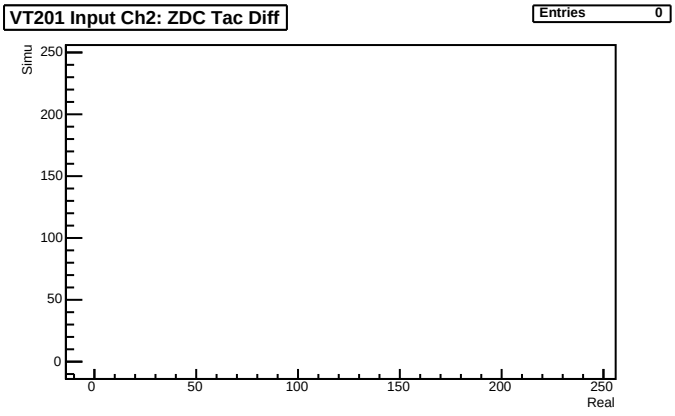

VT201 Input Ch1: EPD Tac Diff
Entries 1963
Tac

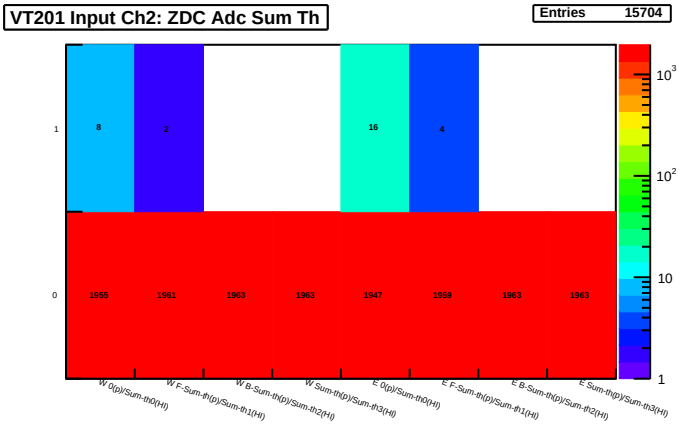

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

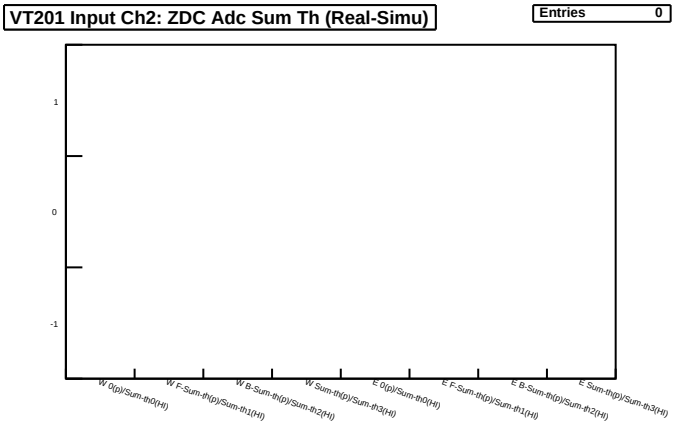

VT201 Input Ch1: EPD Hit Count Th
Entries 3926
1196
1154
767
809
East
West

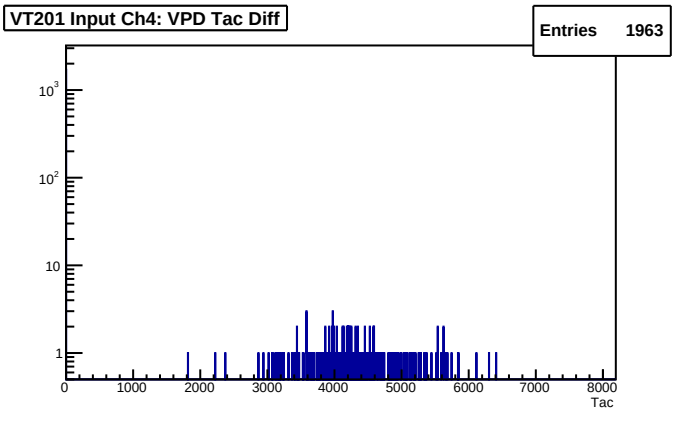

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

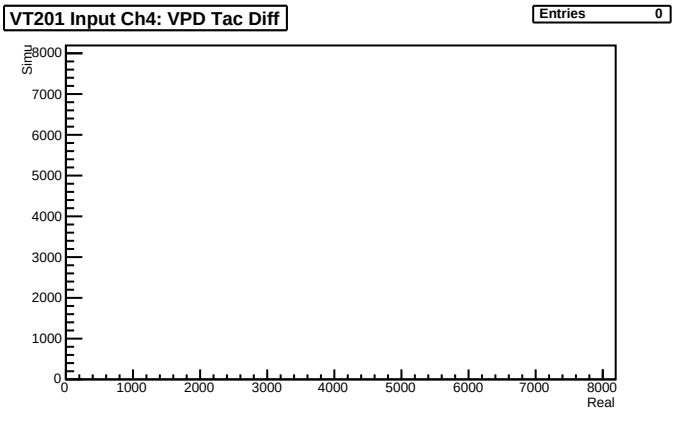

VT201 Input Ch2: ZDC Tac Diff
Entries 1963
Tac

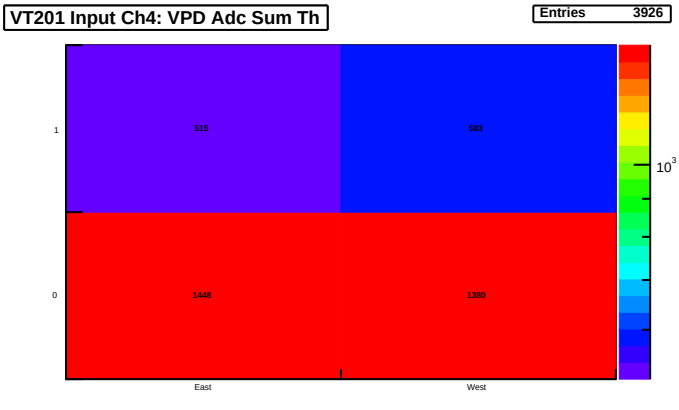

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

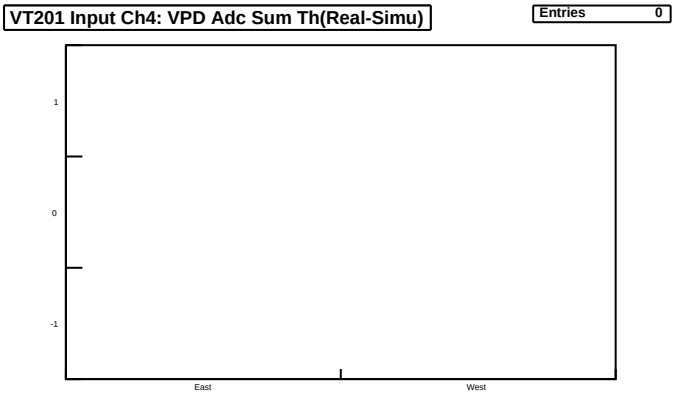

VT201 Input Ch2: ZDC Adc Sum Th
Entries 15704
8
2
16
4
1955
1961
1963
1963
1947
1959
1963
1963
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

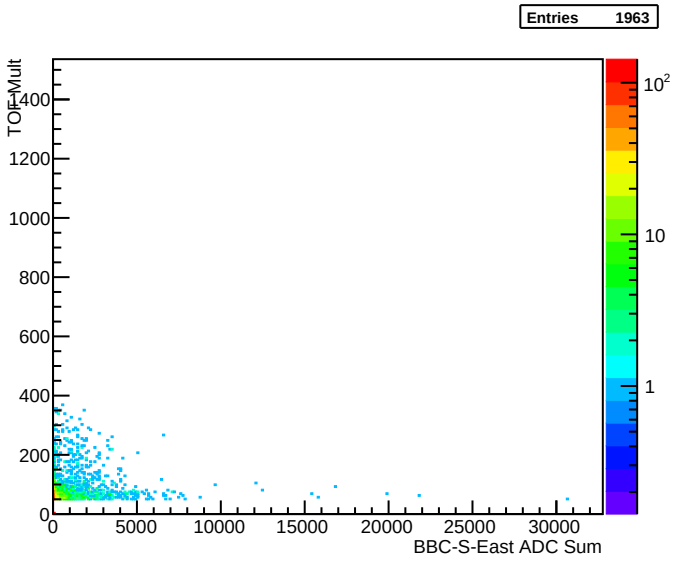

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

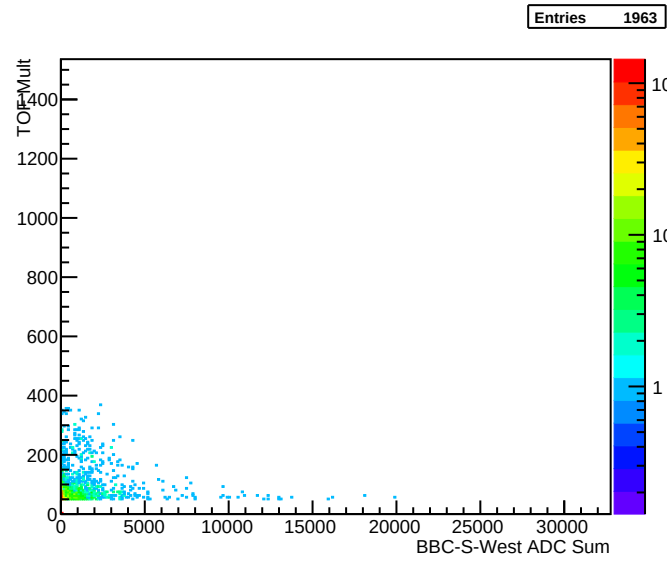

VT201 Input Ch4: VPD Tac Diff
Entries 1963
Tac

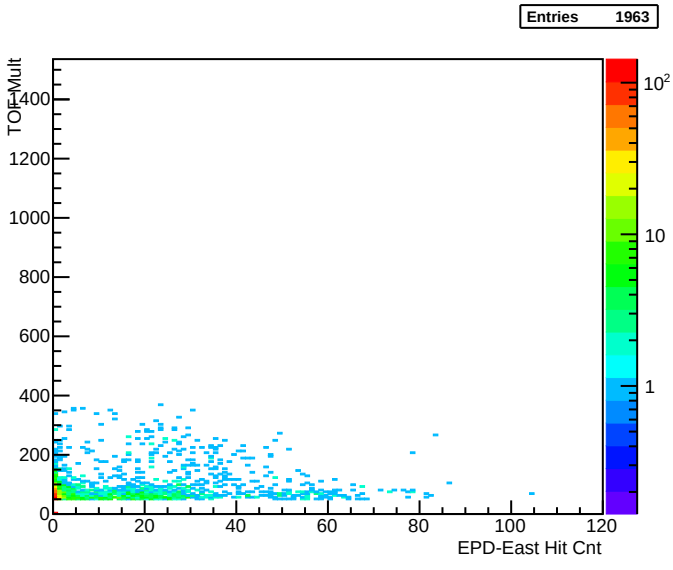

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

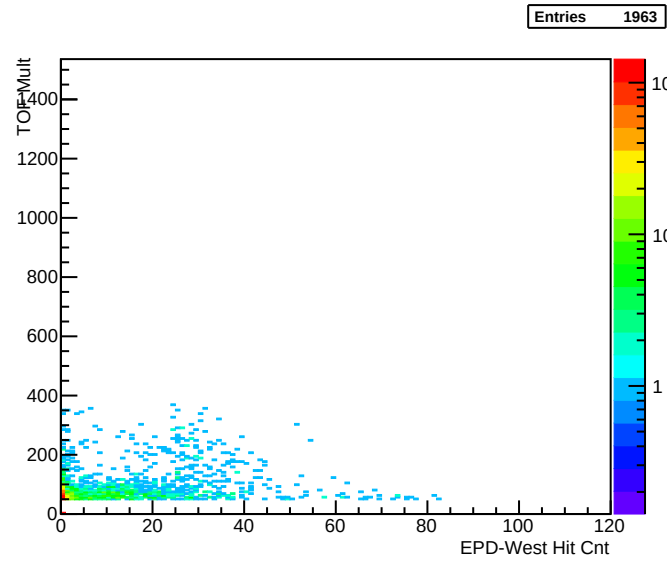

VT201 Input Ch4: VPD Adc Sum Th
Entries 3926
515
583
1448
1380
East
West

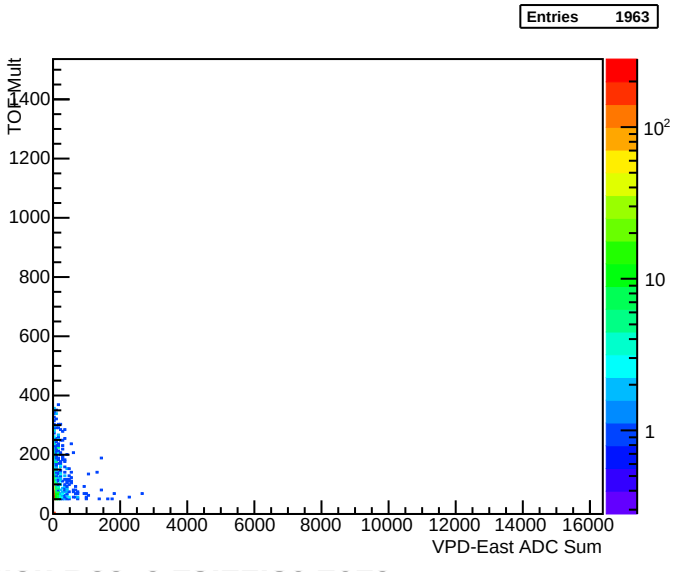

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

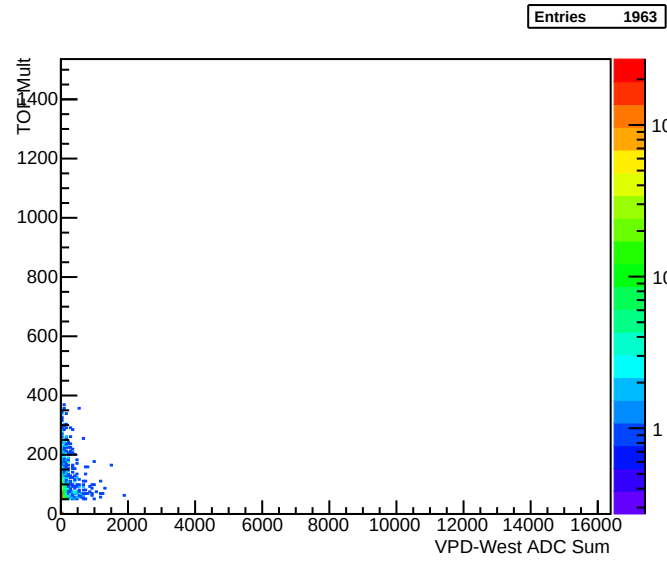

Entries 1963
TOF-Mult
BBC-S-East ADC Sum

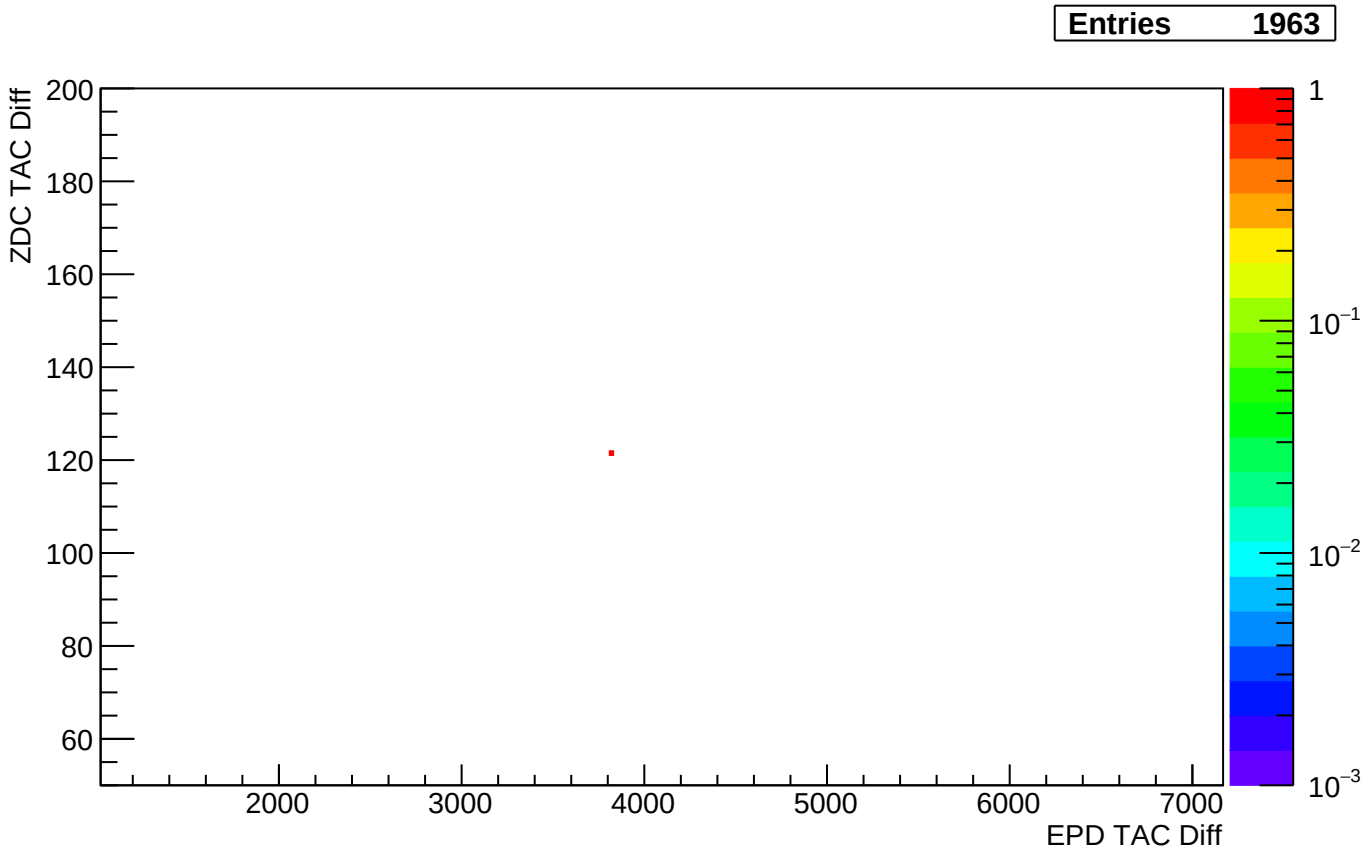

Entries 1963
TOF-Mult
BBC-S-West ADC Sum

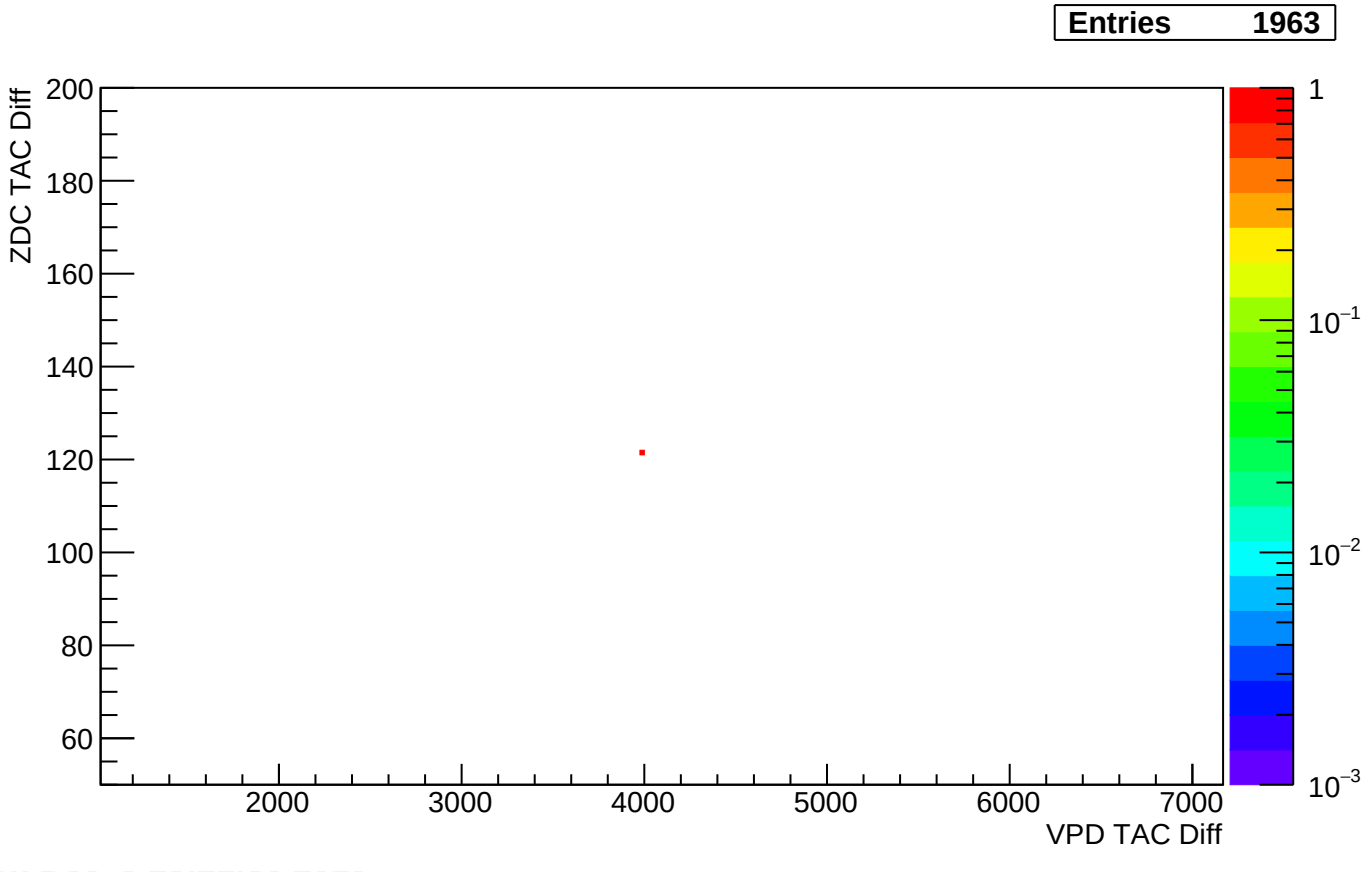

Entries 1963
TOF-Mult
EPD-East Hit Cnt

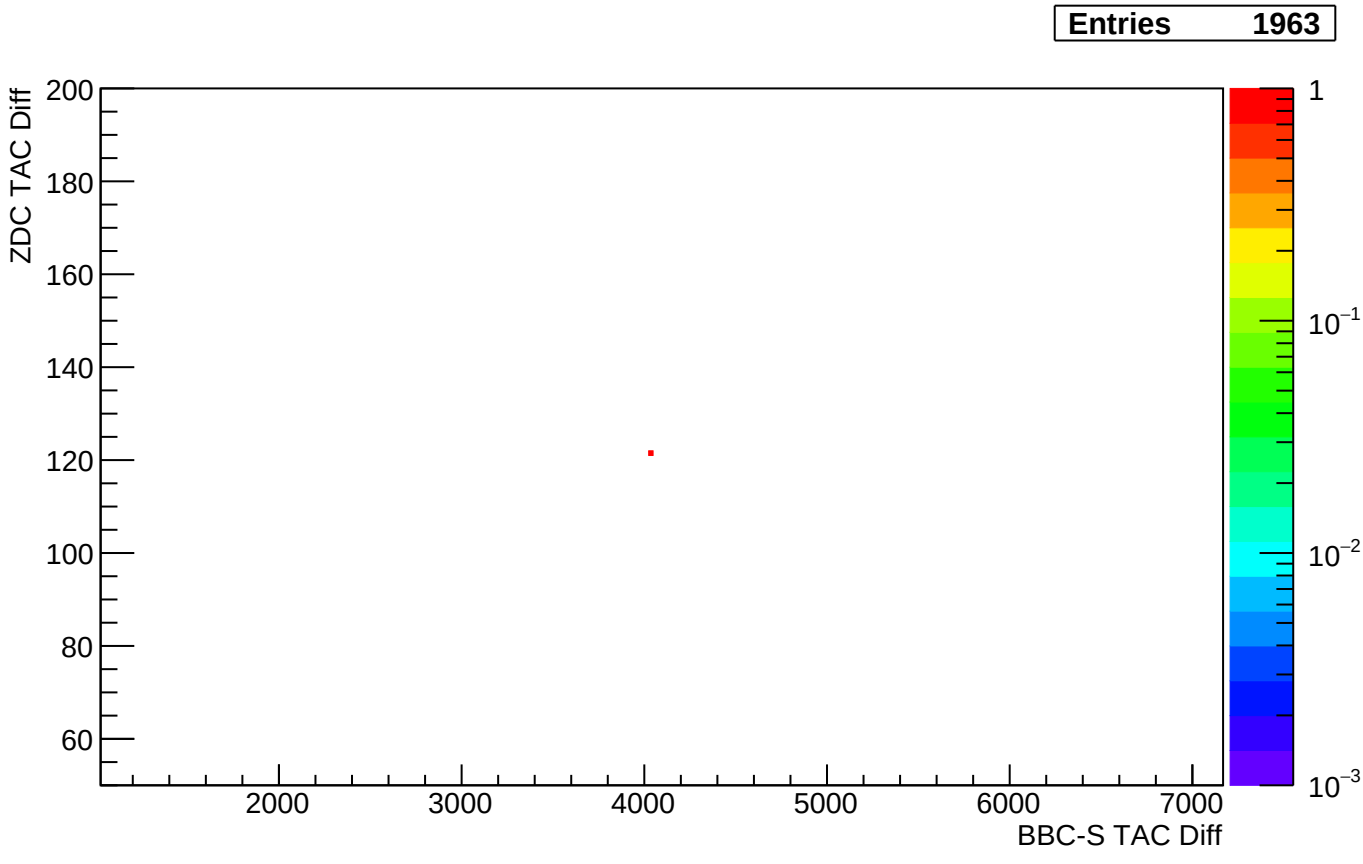

Entries 1963
TOF-Mult
EPD-West Hit Cnt

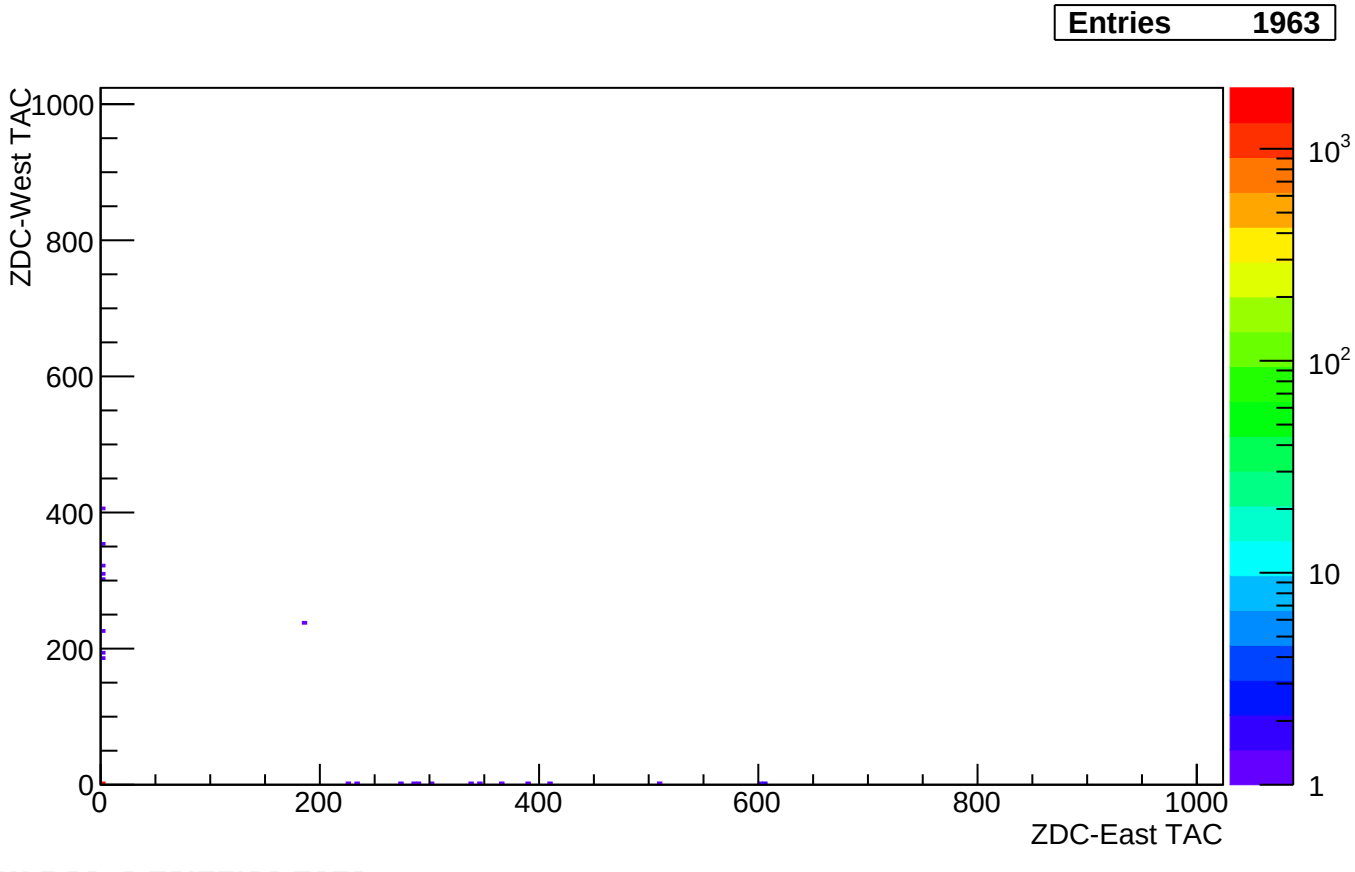

Entries 1963
TOF-Mult
VPD-East ADC Sum

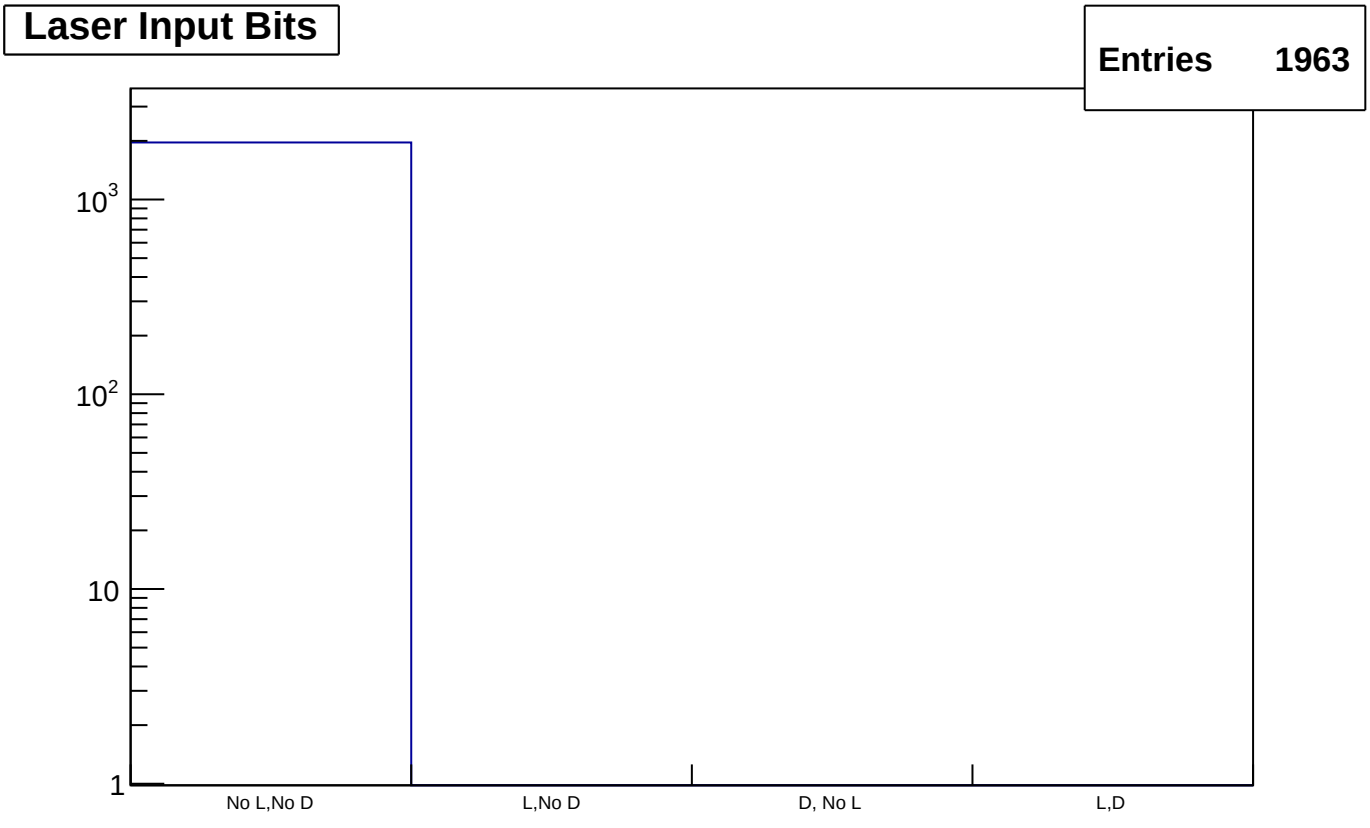

Entries 1963
TOF-Mult
VPD-West ADC Sum

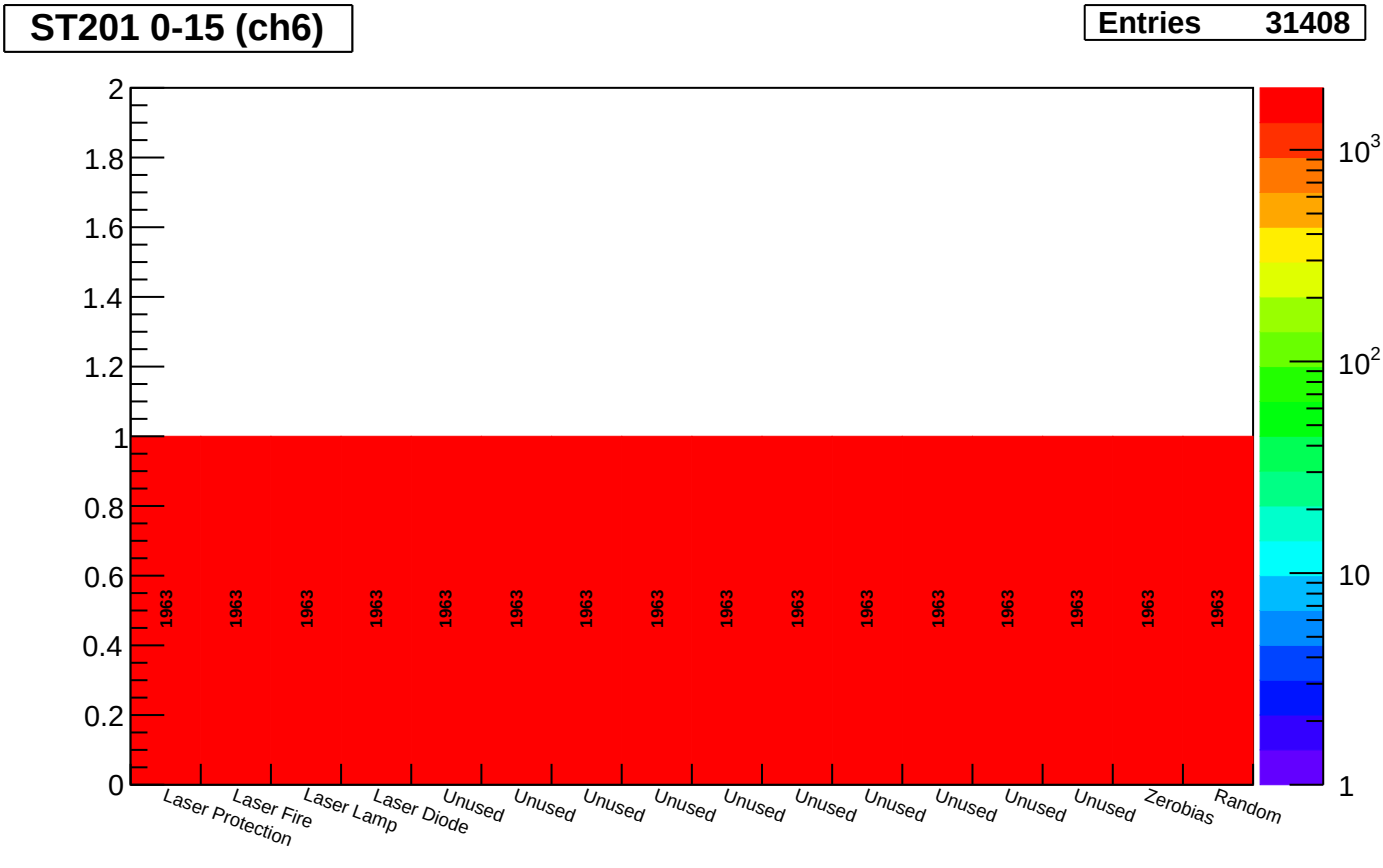

Entries 1963
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

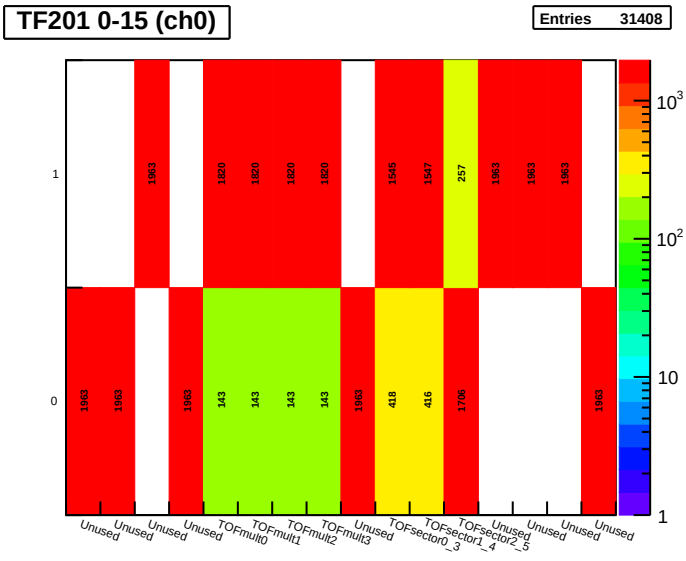

Entries 1963
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

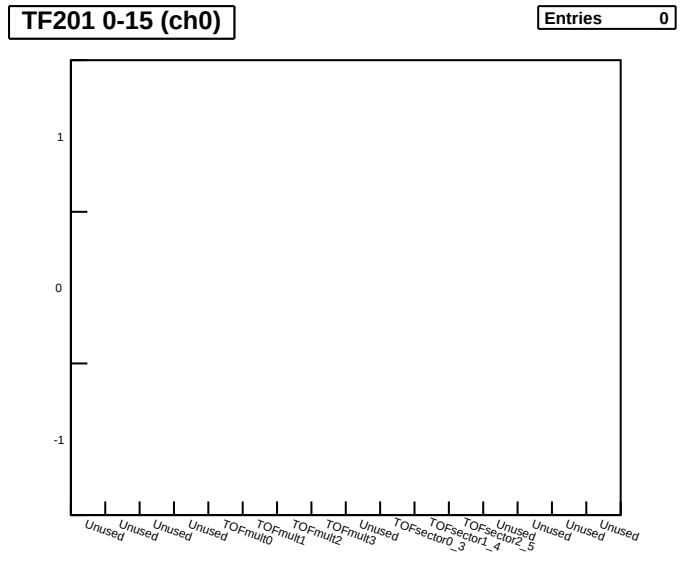

Entries 1963
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

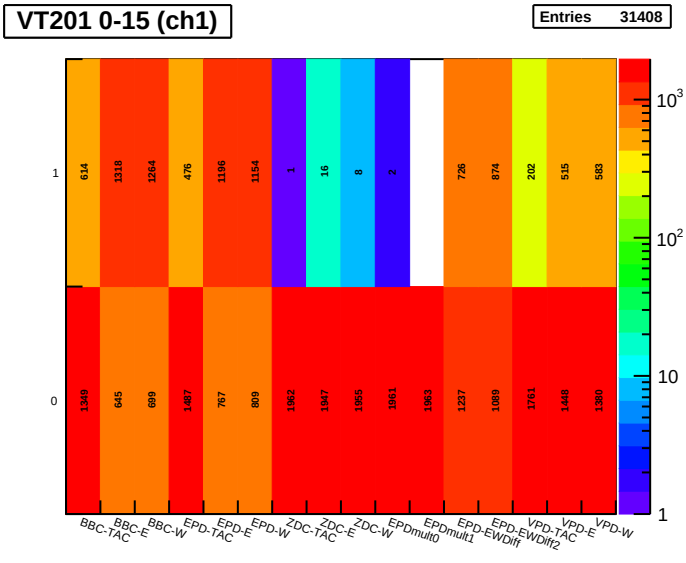

Entries 1963
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{3}
10^{2}
10
1

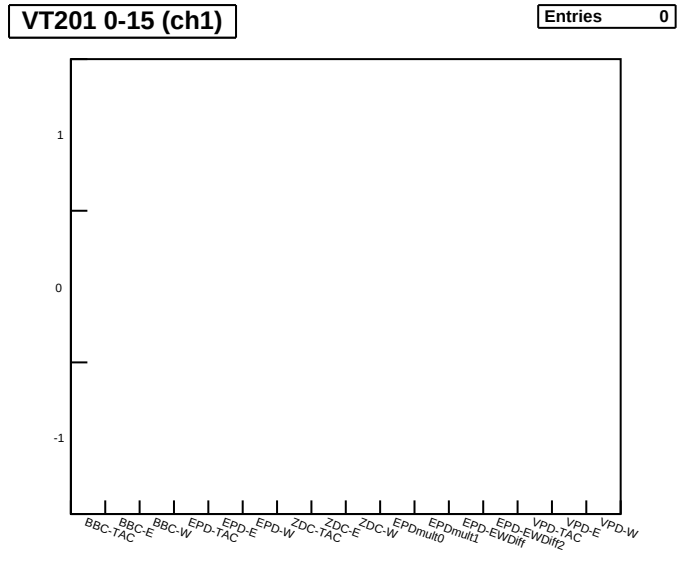

Laser Input Bits
Entries 1963
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

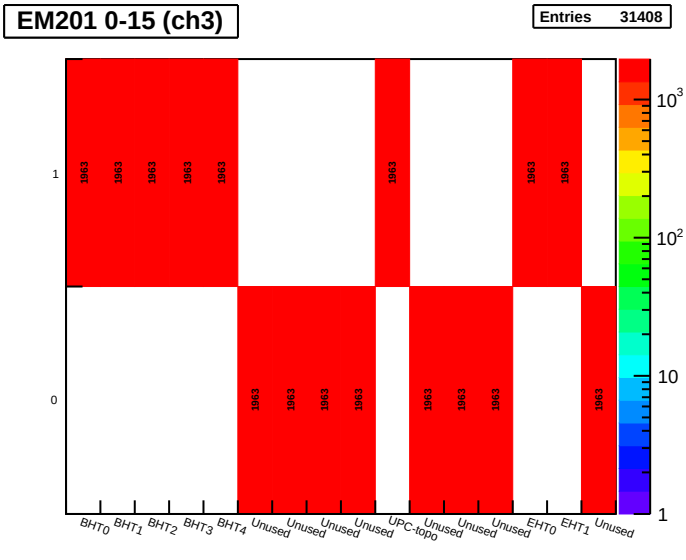

ST201 0-15 (ch6)
Entries 31408
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1963
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

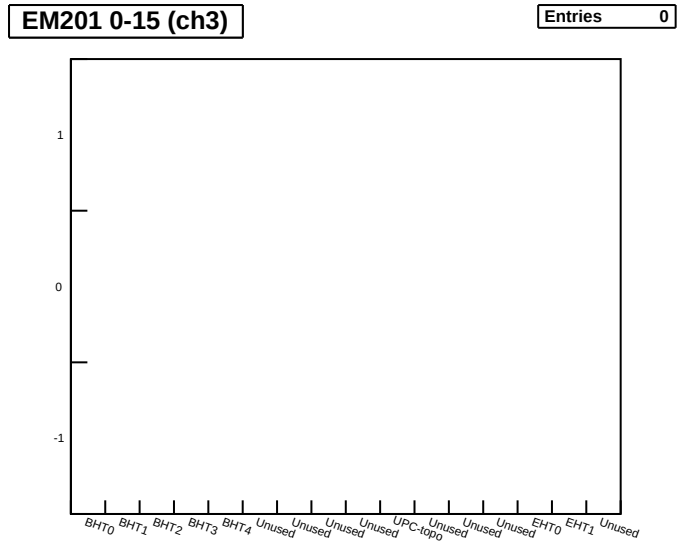

TF201 0-15 (ch0)
Entries 31408
1963 1820 1820 1820 1820 1545 1547 257 1963 1963 1963
1963 1963 1963 143 143 143 143 1963 418 416 1706 1963
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


TF201 0-15 (ch0)
Entries 0
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


VT201 0-15 (ch1)
Entries 31408
614 1318 1264 476 1196 1154 1 16 8 2 726 874 202 515 583
1349 645 699 1487 767 809 1962 1947 1955 1961 1963 1237 1069 1761 1448 1380
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 0
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 31408
1963 1963 1963 1963 1963 1963 1963 1963
1963 1963 1963 1963 1963 1963 1963 1963
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused